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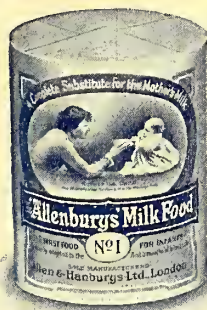
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JUNE 28, 1919

The "Allenburys" Dietetic Products



The "Allenburys" Milk Food No. 1

is prepared for use from birth until the end of the third month. When mixed ready for use it approximates in composition to human milk of average richness. Boiled water alone is required in preparing Nos. 1 and 2 Foods.



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The "Allenburys" Malted Food No. 3

for use from the seventh month upwards. It is a cooked wheaten flour to which is added sufficient malt diastase to render soluble and easily assimilable the broken starch grains. The No. 3 Food requires to be mixed with milk.

The "Allenburys" Dietetic Products
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Retail Price 6½d. per Tablet

	Retail Price.	Ordinary Wholesale Price	Lowest Wholesale Price for £5 orders and upwards.
Wright's Liquor Carbonis Detergens (Stamped)	2/-	18/9 doz.	16/9 doz.
" " " " " " " " " "	4/-	33/6 "	30/- "
" " " " " " " " " "	7/-	65/3 "	58/6 "
" " " " (Unstamped for dispensing only)			
" " " { 1 gal. stone bottles } ...	Not for	28/- each	24/- each
" " " { ½ gal. " " } ...	Retail	14/7 "	13/2 "
" " " { 2 pint glass " " } ...	Sale	7/9 "	6/9 "
" " " { 1 pint " " } ...		4/9 "	4/- "
Wright's Coal Tar Soap ("Sapo Carbonis Detergens") in 3 doz. Cartons, per Tablet	6½d.	5/5 doz. tab.	57/6 gross tab. (i.e. for 2 gross)
" " In Toilet Boxes (¼ doz. 6½d. Tablets in each), at per box	1/7½	16/3 ,, boxes	172/6 gross boxes
" " Bath Toilet Boxes (¼ doz. 1/1 Tablets in each)	3/3	32/6 ,, "	345/- ,, "
" " In decorated tin box (1 Tablet in each) ...	9½d.	7/9 "	6/10 doz. "
" " Shaving Soap (Sticks or Cakes)	1/-	9/- "	8/- "
" " Pills ("Pilula Carbonis Detergens") ...	1/3	11/6 ,, boxes	10/6 ,, boxes
" " " " " " " " " " " " " "	3/-	24/- ,, "	22/- ,, "
" " Detergent Dentifrice ("Sapon Carbonis")... ..	6d.	4/- "	3/6 "
" " Shampoo Powders (unboxed)	3d. ea.	18/- gross	16/3 gross
" " Bath Salt ("Sal Carbonis Detergens") ...	1/-	8/- doz.	7/- doz.
" " Inhaler or Vaporiser	5/- ea.	3/9 each	3/3 each
" " Vaporising Liquid	1/-	9/- doz.	8/- doz.
" " " " " " " " " " " " " "	3/6	25/- "	22/- "
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	Credit Terms	Cash with order terms	£50 Cash with order terms	
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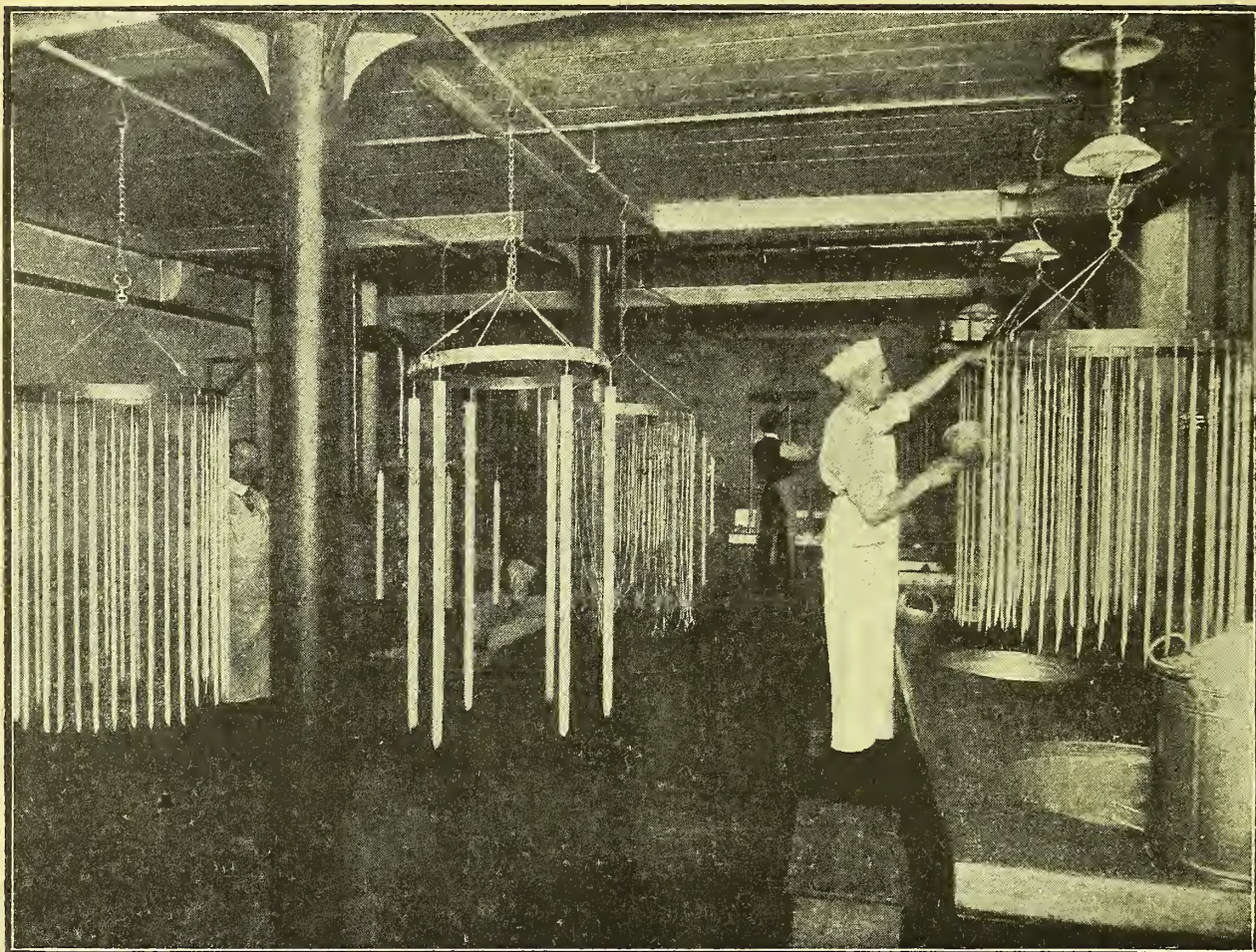
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Canaan that repay.
But the High Faith that
Fails not on the way"*

J Russell Lowell

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No. 402.

Maw's

JUNE 28, 1919.

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and
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Net Credit Terms	£2 4 3
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Date

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		£	s.	d.
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.....Gross.....Doz. 6d. „ „ Soap	... @ 4/6 „			
.....Gross.....Doz. 1/6 „ „ Shampoo Powders	13/6 „ (7 3d. Shampoos in packet)			
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Remittance enclosed £ : : £

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Contains 10 per cent. Metallic
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A non-greasy preparation,
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For Constipation. A combina-
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Dissolves and eliminates Uric
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"MOHAWK" BRAND

OIL PEPPERMINT (Natural)

OIL CEDARWOOD OIL HEMLOCK
OIL CEDARLEAF OIL BIRCH

Heliotropine Crystals C.P.

Vanillin C.P.

Coumarin C.P.

Oil Wormseed, American.

Oil Wintergreen Leaf

U.S.P.

MAGNUS, MABEE & REYNARD, Inc.

Essential Oils, Chemicals and Drugs,

NEW YORK - - U.S.A.

Cables—"MAGLAUR."



"For
Perfumery or

Distinction."

The Spirit-Economy of "DISTOL" Ottos



BY the use of a percentage of water in the preparation of "Distol" perfumery, a great saving of S.V.R. is effected without loss of odour strength. The maximum varies with individual "Distols," but ranges from 5% up to 50% of the total diluant.

An explanatory leaflet giving full particulars will be sent to any pharmacist on request.

THOMAS KERFOOT & CO LTD
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, N.1
ESTABLISHED 1767.

COPYRIGHT

Gibbs' DENTIFRICE

FRENCH

NOW AVAILABLE

In LARGE SIZE "DE LUXE"
ALUMINIUM CASES (Patent)

Retail Price - - - 1/3
Refills for above - - - 10d.

Do not forget to Stock these in addition to the Popular 6d. Size, as they will be well advertised in the ensuing months.

SPLENDID PROFITS AND GOOD SHOWCARDS.

We have advised you by post of the advance in the retail price of our "Cold Cream Soap" to 6½d. per tablet, giving all particulars. Please let us know if you have not received our letter and Price List.

D. & W. GIBBS LTD. The City Soap Works, LONDON, E.1.



CARBOLIC TOOTH POWDER

In Fine Decorated Tins, 1/4 per dozen.

OUR WELL-KNOWN BRAND PERFECTUM TOOTH PASTE

Assorted Flavours, 5/- per dozen.

Packed in separate Cartons, or six in Showcase
assorted.

INQUIRIES SOLICITED.

ARTHUR BERTON, LTD.

Manufacturers,

15-17 Worship Street, LONDON, E.C. 2

Telegrams—

Phones—

"Ayebeim. Finsquare, London." London Wall 507. City 998.

"Newberys" "A1" SHAVING CREAM

UNDER ROYAL, NAVAL &
MILITARY PATRONAGE.

**This High-Class Shaving
Cream will appeal to the
élite of your Customers.**

*Add to your Stock a few A1
Shaving Cream, and be wise.*

18/- per dozen.

**CHARTERHOUSE SQUARE,
LONDON, E.C. 1.**

NEW PROPRIETARY

BY

DEARBORN, LTD.

37 Gray's Inn Road, W.C. 1

Haraposa NUT OIL

A Liquid Shampoo.

Trade - - - **22/6** per dozen

P.A.T.A. - - **2/6** „ package

**SALES GUARANTEED BY THE
MANUFACTURERS. NO RISK.**

Order Direct or through your Wholesaler.

TRADE NOTICE.

In consequence of the great increase in the cost of the production, distribution, etc., of the undermentioned articles controlled by us, the Proprietors have been reluctantly obliged to establish the following prices which took effect on JUNE 1, 1919.

	Minimum Retail Price per bottle.	Minimum Wholesale Price per doz. net.
Mrs. S. A. Allen's World's Hair Restorer	4/6	43/-
Mrs. S. A. Allen's Zyl-Balsamum	3/6	32/-
Bridal Bouquet Bloom	2/6	23/-
Melrose Favourite Hair Restorer (Large size)	3/6	32/-
Melrose Favourite Hair Restorer (Small size)	2/6	22/-
Odaline	2/3	18/-

These preparations are on the P.A.T.A. Protected List.

S. R. VAN DUZER & SON,
114/116 SOUTHAMPTON ROW, LONDON, W.C. 1.

THREE GOOD SELLERS THAT PAY WELL

FROZOCLONE

(The original solid Eau de Cologne).

(Regd.)



THE WORLD'S GREAT
PERFUME AND
REFRESHER IN
SOLID FORM

Retails (P.A.T.A.)
Minimum - 3/-
giving at least 10d. Profit
on each sale.
26/- - - - per doz.

FROZOCLONE is a convenient form of the finest Eau de Cologne, refreshing when rubbed on the forehead, equally pleasant as a smelling bottle, invaluable in a heated atmosphere and when motoring.

CARNATE (Regd.)

A NAIL POLISH PASTE with new and distinctive features. Antiseptic—Softens the cuticle—Brilliant and lasting polish.

Retails (P.A.T.A.) minimum 1/6; 12/- per doz.

ANALAX

(Reg. Pat. No. 310716)



The Ideal Fruity Laxative in Pastille Form.
DELICIOUS. RELIABLE. EFFECTIVE.

Retail (P.A.T.A.) Minimum 2/3
21/- per doz., stamped.

R. DEMUTH'S LABORATORIES, 68 Salusbury Road and
Montrose Avenue, LONDON, N.W. 6

Telegraphic Address: "Boulbene London."

Telephone: 525 Willesden.

BAISS BROTHERS  & COMPANY, Ltd.

From this season's plants we are now making

GREEN EXTRACTS

OF

**Belladonna, Henbane,
&c.**

and samples and prices are at the
disposal of Wholesale Buyers.

Price Lists of Drugs, Pharmaceutical Preparations, &c., in various languages.

BAISS BROTHERS & COMPANY, Ltd.

Wholesale & Export Druggists, Manufacturing Chemists & Makers of Surgical Instruments.

Contractors to His Majesty's Government; the Crown Agents for the Colonies;
various Foreign Governments; and the principal Hospitals and Institutions at
Home and Abroad.

Grange Works, 174, 175, 176 GRANGE ROAD, BERMONDSEY, LONDON, S.E.1.

Drug & Herb Farm: CARSHALTON, SURREY.

Established 1833.

Toilet Goods Worth Pushing

Toilet preparations form an integral and profitable part of the chemist's business, and may be kept to the front without any derogation of dignity. The Euthymol scientific toilet preparations are in every respect worthy of a very prominent place.

Euthymol **TOOTH PASTE**

The demand is much larger than ever. Dentists recommend it, and it maintains its position by its unsurpassed germicidal efficiency. Whilst in the Navy or Army many men learned to use Euthymol Tooth Paste regularly, and to-day, as they are again in civil life, a display of the premier British-made tooth paste provides the best means of securing them as regular customers. **Write for best terms.**

Minimum Retail Price 1/3

Euthymol **SHAVING STICK**

For sensitive skins you may confidently recommend Euthymol Shaving Stick. The basis is a superfatted soap, which produces an effective lather as well with cold water as hot. Euthymol Shaving Stick is in every way pleasant to use; it adds comfort to every shave. No advance in price since 1917.

Minimum Retail Price 1/-

Bath Crystals **P., D. & Co.**

A profitable toilet article, which will repay an active interest, is Bath Crystals, P., D. & Co. Apart from the immediate profit on the sale there is the probability that it will be the first of a series. The perfume of Bath Crystals, P., D. & Co., is unique, and as the container holds nearly 1½-lb. it is good value.

Minimum Retail Price 3/-

PARKE, DAVIS & CO.

50-54 Beak Street, LONDON, W. 1.

Laboratories—Hounslow, Middlesex.



A Profit Bringer

THE Carrying Capacity

of the Eucryl Preparations is exactly the 100 per cent. profit which each one of them carries to the sound business man who stocks them. They are freighted with success, and fly straight to the heart of a discriminating public. No far-seeing chemist feels his stock complete without good stocks of Eucryl Tooth Powder, Tooth Paste and Shampoo Powders.

EUCRYL

TOOTH POWDER, PASTE AND SHAMPOO POWDER

They all bring repeat orders, an extended custom, and every sale, remember, gives 100 per cent. Profit.

Fill in the enclosed coupon and send your season's orders—you won't regret it.

EUCRYL, LIMITED,
Lant Street, Southwark, S.E. 1.

COUPON

Please send me
12 doz. 7½d. Eucryl
Tooth Powder at 5/-
with bonus of 5 doz. free of
charge, 3 doz. 1/- Eucryl Tooth
Paste at 8/- doz. with bonus
of 1½ doz. free of charge. 2 gross
2d. Shampoo Powders at 12/- gross
with bonus of 10 doz. free of charge.
All less 2½ per cent. cash with order.
For which I enclose cheque value £5 5s. 4d.

Name

Address

EUCRYL, Ltd., Lant Street, Southwark, S.E. 1.

Enolin

TOOTH PASTE

"STRONG" OR "MILD"

The Super Paste

If your wholesaler has not sent you sufficient advertising matter for window display, drop us a postcard and we will send you a good assortment, post free.

SOLE MANUFACTURERS & PROPRIETORS:

A. & E. CARRERAS, *Perfumers*,

Offices : 207 King St., Hammersmith, London, W.6.

Telephone :

HAMMERSMITH 600

Telegrams :

"ESOLINDOL, HAMMER,
LONDON."

ANTISEPTIC CRYSTAL TABLETS.

FOR USE AFTER SHAVING.

THERE ARE NONE MORE POPULAR THAN
BLOC THYALIN (Regd.)

Frequent inquiries from all parts of the world render it advisable to carry a stock of this useful Toilet Adjunct.



WHOLESALE AND SHIPPING ONLY.

Your Drug or Sundry House will supply on demand.

The FRAM MFG. CO. LTD.,

Manufacturers of all Toilet Articles for Shavers,
Excelsior Works,
Ellis St., BIRMINGHAM.
ENG.

Gold Perfume Labels

FRANK A. CONDUIT,
SUTTON HOUSE
2 OLD STREET,
LONDON, E.C. 1.



TRADE MARKS.

Telegraphic Address:
"EKLIPS LONDON,"
A B C Code, 5th Ed.On the List of Government Contractors,
The Crown Agents for the Colonies, etc.Telephone No. :
1831 Hop.

MEDALS AND AWARDS:

LONDON, 1881. VIENNA, 1883. CALCUTTA, 1884.
CHICAGO, 1893.

SYNTHETIC OTTOS

"ZINYL" Brand (Regd.)

TRUE SYNTHETIC PRODUCTS

¶ With a few exceptions the Synthetic Ottos are actually stronger than the essential oils they are intended wholly or partially to replace, and are most economical in use, while their similarity to the actual flowers is surprising.

¶ The Synthetic Otto of Neroli, "Zinyl" Brand, for instance, used in the proportion of $\frac{3}{4}$ oz. to the gallon of spirit, is **equal to a concentration of 220 times**, thus showing **an enormous advantage** over the ordinary "Concentrated Perfumes," generally about 1 to 40 or 50 parts of spirit; this Otto forms an excellent basis for Eau de Cologne, and we suggest a reference to "Pharmaceutical Formulas" for many admirable forms.

¶ The price of this Otto is, to-day, 8/6 oz., against the present cost of fine Oil of Neroli, about 31/- oz., and five drachms of the Synthetic Otto are equal to one ounce of the natural oil.

¶ We ourselves ship a good deal of Eau de Cologne in bond, and put up an excellent quality with Farina script label, the basis of which is our Synthetic Otto Neroli, so that the price is advantageous.

For all Toilet Preparations these Synthetic
Ottos show surprisingly favourable results.

H. E. STEVENSON & CO.

Manufacturing Chemists and Wholesale Druggists,
122 GREAT SUFFOLK STREET, LONDON, S.E. 1

Bay Rum, Rosemary & Cantharidine

ADMITTED TO BE
THE MOST EFFECTIVE FORMULA
THE MOST ATTRACTIVELY GOT-UP
THE BEST VALUE

8-oz. Bottles (Sprinkler Stoppers) 8/6 doz., 99/- gross, carriage paid.

Own Name and Address.

Showcards Supplied.

SPECIAL OFFER.

With every order for One Gross we will send FREE half a gross Shampoo Powders bearing your name and address.

SEND YOUR ORDER—NOW!

CARMOL LTD., Washington Street, BIRMINGHAM.

Telephone : Midland 1852.

The "EVERSAFE" BABY PACIFIER.

*Patented
Everywhere.*

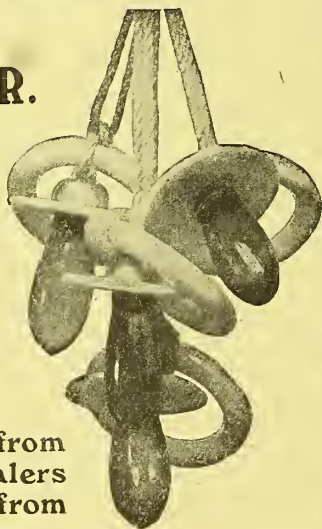
Present rates :—

No.
2 4d. line 2/8 doz.
2C 6d. ,, 3/- ,,
2E 6d. ,, 3/- ,,
3 7½d. ,, 4/6 ,,

Obtainable from
all Wholesalers
or direct from
Patentees.

For Showcard holding three
Soothers send 6d. in stamps,
to be credited with first order.

F. SCHUTZE & CO., LTD.,
Black Bull Works, London, N.

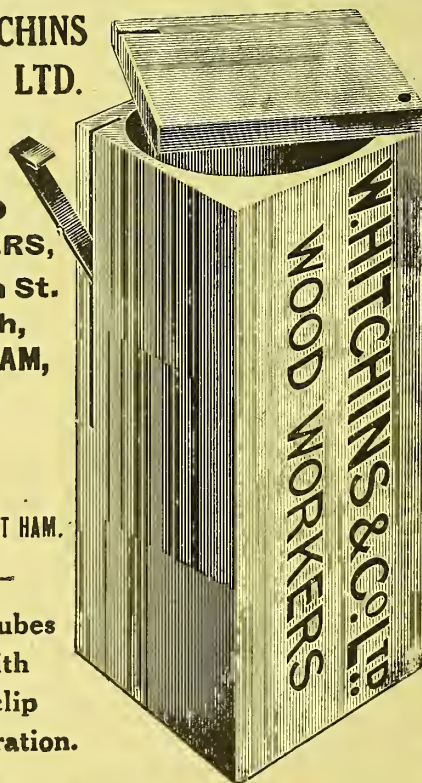


**W. HITCHINS
& CO., LTD.**

**WOOD
WORKERS,
78 High St.
South,
EAST HAM,
E.6.**

Telephone :
475 EAST HAM.

Postal Tubes
fitted with
patent clip
as illustration.



FOR

HAY FEVER



SELL
'NOSTROLINE'
Nasal Specific

Relief in 30 Seconds.
No cocaine or narcotic.

EXTENSIVELY
ADVERTISED.

Face Value Protected Profit.

BUY DIRECT ON BEST TERMS.

1/3 size - 135/- per gross.

3/- ,, - 27/- per doz.

Net Cash, Carriage Paid.

HAROLD E. MATTHEWS & CO.
CLIFTON, BRISTOL, ENG.

NOSTROLINE
TRADE MARK REGD



Nail Paste ... 1/-
Ruby Cosmétique 1/-



Nail Powder, 1/-



Cuticle Cream, 1/-



Nail Stone, 9d.

AMAMI MANICURE AIDS.

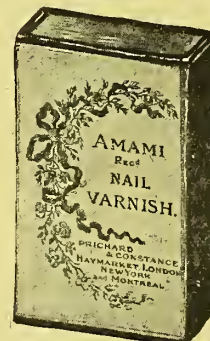
QUICK SELLING LINES. GOOD PROFITS.

	Doz.
Amami Nail Stones ...	6/-
Amami Nail Crayons ...	6/-
Amami Nail Paste ...	8/-
Amami Nail Powder ...	8/-
Amami Nail Varnish ...	12/-

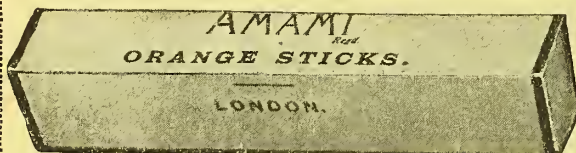
	Doz.
Amami Cuticle Cream ...	8/-
Amami Ruby Cosmétique ...	8/-
Amami Cleansene ...	8/-
Amami Orange Sticks... 12/-	
Amami Emery Boards ...	12/-

BONUS of 10/- worth of goods on £5 orders (Wholesale Prices). Carriage Paid. Cases Free. Send for a £5 assortment and get a profit of 65% on outlay.

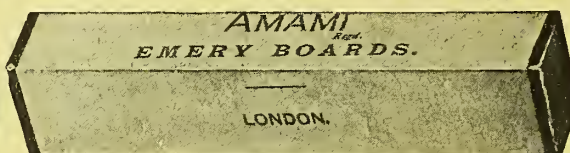
PRICHARD & CONSTANCE (Whol.), Ltd., 469 Holloway Rd., N.7



Nail Varnish, 1/6



Orange Sticks, 1/6



Emery Boards, 1/6

IMPORTANT.

WILL Retail Chemists kindly note that
ORISAL MOUTH WASH
for PYORRHEA

is now prepared only in a highly concentrated
form at 4/9 per bottle retail, the contents
being four times the strength of those hitherto
retailed at 2/9.

WHOLESALE PRICES.

Mouth Wash (including Govt. duty, 12/-)
48/- per doz. ; Retail 4/9 per bot.

Dental Paste (including Govt. duty, 6/-)
23/- per doz. ; Retail 2/3 per tube.

Obtainable from the principal wholesale
houses, or direct from

ORISAL LTD.

77 GEORGE STREET,
PORTMAN SQ., W. 1.

SALES
BEAT ALL RECORDS.

INDIAN PERFUME BRICK

KEEPS AWAY MOTH.
LASTING & FRAGRANT.

PERFUME
BRICK

FOR LINEN CUPBOARD AND WARDROBE.

Retail Price, 6d.

Of the Makers:

ALBERT WILLIS & ARTHUR, Ltd.
6 Mortimer St., London, W.
AND ALL WHOLESALE.

The two quick SELLING LINES with a good profit.

ANZORA CREAM for those who have a slightly greasy scalp, and

ANZORA VIOLA for those who have a dry scalp as it has a sufficient quantity of Anzora Oil of Violets to overcome scurf and dandruff, both

MASTER THE HAIR.

TRADE / 11/6 per dozen ... retailed at 18/-
TERMS / 19/6 " " " " 30/-

2½% discount on orders of 3 doz., and
5% discount on orders of 6 doz.,
providing account is settled monthly.

Obtainable from
all Wholesalers.

Showcards
on request.

Anzora Perfumery Co., Willesden Lane, N.W. 6.



EVAN WILLIAM'S ORIGINAL Henna Shampoo

"SOFTO" Tablets for Chapped Hands and Tender Feet.



The Line that
SELLS!

Retail Price - 2d.

Wholesale 12/- per gross.

"Softo" Shampoo Powders

Retail Price 2d, (7 for 1/-).

Wholesale 9/6 per gross.

"SOFTO" FACE POWDER

Three tints—White, Pink and Cream.

Retail 6½d.

Wholesale: 1 dozen, 4/6; 3 dozen, 12/-
1 gross (with 4 dozen bonus) 50/-

Net. Carriage Paid.

SOFTO MANUFACTURING CO.

33 Edgware Road, London, W. 2.

Your Customers
will insist on the

Evan Williams'

HENNA

SHAMPOO

having been taught
by experience. Are
you ready to meet
their demands?

Stock moves freely
at a handsome profit.

Full particulars are in-
cluded in *The SHAMPOO
SALESMAN*, which is
sent free on request.

The EVAN WILLIAMS CO., LTD.,
18 & 18a, Ople St., Foley St., London, W. 1.

COMBS

THE FOLLOWING LINES OF COMBS ARE A FEW SELECTED FROM OUR STOCK THAT ARE IN CONSTANT DEMAND, BUT WE INVITE INQUIRIES FOR OTHER KINDS NOT REFERRED TO.

LADIES' DRESSING COMBS

White Celluloid	8 × 1½ in.	per doz. 7/6
Black ,, ...	8 × 1½ in.	7/6
Blonde, non-inflammable...	6½ × 1½ in.	9/-
Imitation Tortoiseshell ...	6½ × 1½ in.	12/-
Ivory White, grailed teeth	8 × 1½ in.	24/-
Black, grailed teeth ...	8 × 1½ in.	24/-
Ivory White, all coarse, grailed teeth	8 × 1½ in.	24/-
Ivory White, with handle, ,,	8 × 1½ in.	24/-
Real Horn, roach back ...	8 × 1½ in.	24/-
SPECIAL LINE, Black Celluloid, all coarse teeth	7½ × 1½ in.	11/-

GENTS' DRESSING COMBS

Amber, non-inflammable ...	7 × 1 in.	per doz. 8/6
All Vulcanite	7 × 1 in.	10/6
Grey Mottled, non-inflammable	6 × 1 in.	12/-

GENTS' POCKET COMBS

Assorted Shapes, in cases...	3 in.	per doz. 5/-
„ super quality ...	4 in.	10/-

SMALL TOOTH COMBS

White, non-inflammable...	3 in.	per doz. 5/6
Blonde ,, ...	3½ in.	7/6
Black ,, ...	3 in.	7/6

5% discount allowed for prompt cash off above prices. OUR GOODS ARE RIGHT. MONEY BACK IF NOT SATISFIED

BURGE, WARREN & RIDGLEY, Ltd.

91 & 92 GT. SAFFRON HILL, LONDON, E.C. 1

For LARGE BUYERS

For SHIPPERS



SAMPLES AVAILABLE.

C. A. STOKES & CO., Ltd., 11 Eclipsol Works, BRISTOL.

FACE CREAM. TOOTH POWDER. NAIL POLISH
 „ POWDER. „ PASTE. HAIR CREAM
 BRILLIANTINE, Solid and Liquid. PERFUMES
 VIOLET POWDER. TALCUM. TOILET OATMEAL
 SHAMPOO POWDER & LIQUID. MASSAGE CREAM

Your own formula prepared, or we can supply ingredients if desired.
 Send for samples and quotations.

A. CONNELL & CO., 3 Jewry Street, LONDON, E.C. 3

PHONE-AVENUE 1945.

INCREASING POPULARITY OF "HARLENE HAIR DRILL."

EVERY DAY EMPHASISES THE NECESSITY
FOR MEETING THE PUBLIC DEMAND.

The widespread publicity initiated by the Proprietors of "Harlene" over a number of years and vigorously maintained right up to the present time, in spite of many difficulties and increasing expense, continues to draw an immense response from all parts of the country. Thousands of sample parcels are dispatched daily, thus increasing the number of possible customers to retail stores everywhere.

HAVE YOU A GOOD STOCK OF "HARLENE HAIR DRILL" PREPARATIONS?



NOTE—The Contents of the Free HARLENE OUTFITS Comprise:

- | | |
|-------------------------------|---|
| 1. A Trial Bottle of Harlene. | 3. A Trial Bottle of "Uzon" Brilliantine. |
| 2. A "Cremex" Shampoo Powder. | 4. Book of Instructions. |

FOLLOW THE TIDE OF SUCCESS.

Watch the great Free Gift Advertising Campaign that brings the Customers to your shop.

No Chemist or Store can afford to be without this unique line of Toilet Preparations.

"HARLENE" FOR THE HAIR	"ASTOL" FOR GREY HAIR
"UZON" BRILLIANTINE	"CREMEX" SHAMPOO POWDERS
"ASTINE" VANISHING CREAM	"ASTINE" SHAVING STICK
"ASTINOL" AROMATIC FLUID.	

For Particulars, Advertising Literature, &c., write to

EDWARDS' HARLENE, Ltd.

20, 22, 24 and 26 LAMB'S CONDUIT STREET, LONDON, W.C. 1.

DIADEM Face Powder

possessed of the delightful fragrance of Diadem Cream, adheres readily to the skin. Made in Blanche, Naturelle, Rachel, Rose and Sunburn tints. Packed in large artistic boxes, in the distinctive Robartes' style and colouring. A sure seller.



DIADEM WAX For the Complexion

Completely supersedes the customary greasy Toilet Creams. Is most pleasant in use and commands ready sales. Attractively produced in elegant large jars.

DIADEM Crème Rouge

Gives an undetectable and natural colour to the cheeks. Far more convenient in use than the existing dry rouges. Easily removable whenever desired.

DIADEM Vanishing Cream

A cream of rare purity and charm, put up in novel white globes which have an irresistible appeal and packed in dainty boxes in Robartes' attractive style.

DIADEM Talcum Powder

The ideal powder for Nursery and Toilet use. Choicely perfumed, and may be used with impunity on the most sensitive skin. In handsome perforated tins.

DECOLTENE The liquid hair remover

The intelligent depilatory. Simple, safe, effective, and harmless. Can be used while performing the toilet. Daintily packed.



An attractive line that enjoys good sales. A greaseless cream that takes all odour out of perspiration. Packed in attractive jars.

TRADE TERMS.

	P.A.T.A.	Trade per doz.
Diadem Face Powder ...	2/6	20/-
" Complexion Wax ...	2/6	20/-
" Crème Rouge ...	2/6	20/-
" Vanishing Cream ...	3/9	30/-
" Talcum Powder ...	1/3	10/-
Decoltene Depilatory ...	3/9	30/-
Dinkie Deodorant ...	2/6	20/-

NOTICE.

Artistic Showcards and Counter Matter free on request. Robartes' Preparations are obtainable from all leading wholesale houses. Largely advertised in all the leading dailies, weeklies and monthlies. Further particulars and descriptive booklet forwarded on request.

ROBARTES, Ltd., Dyer's Buildings, Holborn Bars, London, E.C. 1.



Hot weather, holiday boom, and our advertising, are creating a big demand for

DULC-O-DO

the harmless toilet water which corrects excessive perspiration and makes dress shields unnecessary.

Approved by the Medical Profession.

Send 20/- for sample dozen and attractive showcards.

Watch the rapid sales.

Minimum Retail 2/6.

Scott's Chemical Co.,

47 Huddleston Road,
Willesden, N.W. 2

Phone: 77 Willesden.



ODO-RO-NO

The
Anti-Dress Shield Toilet Water

Effectively corrects excessive perspiration

Extensively advertised in American and English periodicals

SHOWS GOOD PROFIT.

Distributing Agents:

THE AMERICAN DRUG SUPPLY CO.

6 Northumberland Avenue,
LONDON, W.C.2

Telegrams : "REFRESHING, CENT, LONDON."

Telephones : CENTRAL 4461-4462.

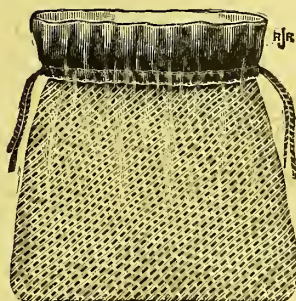
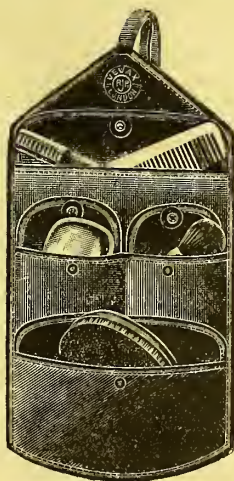
R. J. REUTER

ESTABLISHED 1892

Head Office : 69 CARTER LANE, LONDON, E.C. 4.

Factory :
19-20 OLD BAILEY, E.C.Scientific Glass Blowing Works :
2 ST. ANN'S CHAMBERS, E.C.

SOLE MANUFACTURER OF

**'VĒVAX' SPONGE BAGS,
SPONGE WRAPS
and HOLDALLS.****'VĒVAX' SPONGE BAGS.**
(BEST BRITISH MAKE)**"A" Quality.**—Finest quality sheeting, **proofed both sides**, superior to solid rubber. Brown, green or Quaker grey, with ribbon finish.**"B" Quality.**—Similar to "A," but made with pinked edge finish.**Star Check.**—Made in three qualities.**Fawn Parramatta.**—Will keep in any climate. Extra super quality.**Aseptus.**—Fawn or ruby soft double-proofed sheeting, velvet finish.**Oiled Silk.**—Assorted colours, warranted not to stick or crack in any climate.**Army Khaki.**—Specially recommended for hard wear.**'VĒVAX' HOLDALLS.**

(BEST BRITISH MAKE)

Made in about thirty shapes and styles, suitable for holiday and tourist requirements. Issued in double or single-proofed materials in numerous varieties.

INQUIRIES INVITED. PRICES ON APPLICATION
SPECIAL QUOTATIONS FOR QUANTITIES.

IT WILL PAY YOU TO VISIT OUR SHOWROOM.

BIDWELLS' LTD.

RELIABLE TOOTH BRUSHES.

Gloria Silverdrawn,	18/-
Mitre - - -	14/-
Elephant - -	12/-
Anchor - - -	10/-

GROSS LOTS NAMED FREE. CARRIAGE PAID.

We do not Sell Foreign Tooth Brushes.

A selected £10 parcel of Hair Brushes from 30/- to 100/- per doz., carr. paid.

Made at our Factories, AXMINSTER, DEVON.

The Mutual Traders

sell at lowest prices, guaranteed quality, **CALL NUTS, LOOFAHS, MENTHOL, DANDELION ROOT, PEPPER-MINT OIL, CHILLIES, CAMOMILES**, and other **DRUGS** and natural products.

Sole Export Agents of the **NIPPON JOCHUKIKU KAISHA**, growers of Pyrethrum Flowers.

The Mutual Brush Company

manufacture and ship all kinds of **BRUSHES** (both formerly operating as the **FUJI BRUSH COMPANY**).

BEAR IN MIND THAT WE

1. ARE WHOLLY BRITISH AND AMERICAN.
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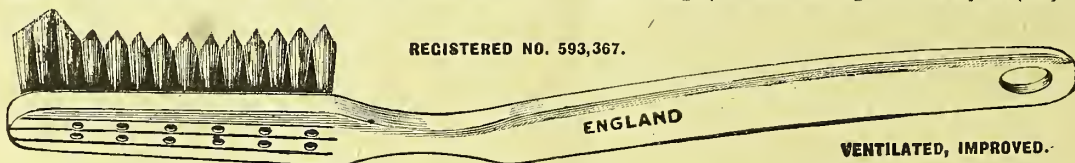
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WHOLESALE ONLY.

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Preparations in sample form, and is the most
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THOROUGHLY
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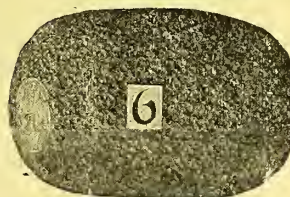
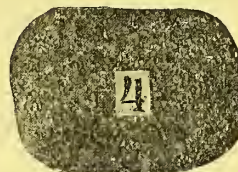
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" " " analysis as to purity. " " "

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Rosemary

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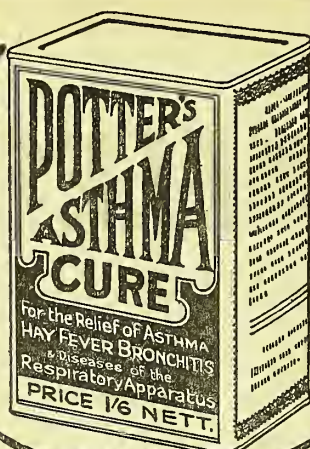
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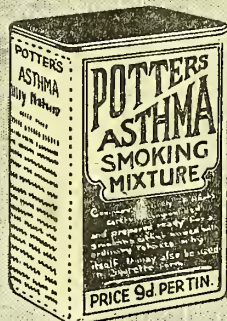
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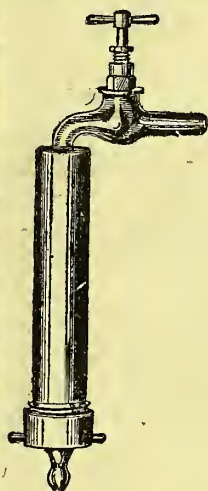
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AND AT
24 LUNA STREET, GREAT ANCOATS, MANCHESTER

PURE DRINKING WATER.



The Pasteur Chamberland Filter.

OFFICIAL GOVERNMENT
STATEMENT:

Wherever the PASTEUR
FILTER has been applied,
TYPHOID FEVER has
disappeared.

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SOLE MAKERS:

The British Pasteur Chamberland Filter Co.
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The Finest Quality
Aerated Waters are
made only with
the Finest Quality
ESSENCES

BOAKE ROBERTS

Soluble Essences are
of the finest quality
and being extremely
concentrated are
most economical

Lemon	Ginger Ale
Orange	Stone Ginger (Cloudy)
Ginger	Clear Ginger Beer
Raspberry	Kola Champagne
Strawberry	Lime Juice and Soda
Pineapple	Lemon Squash. Vanilla

A. Boake, Roberts & Co. Ltd.
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DEMON SEALING MACHINE

THE QUICKEST, SIMPLEST & SUREST
METHOD OF PARCELLING.

Ask for particulars and samples, or,
better still, our representative will
be pleased to call and demonstrate.

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HAVE YOU TRIED OUR Thymol Tooth Paste?



If not, write for a Sample mentioning the "Chemist & Druggist."

In smartly labelled tubes, ribbon orifice, 7/- per dozen; cartoned, 7/6 per dozen. Showcard and show outers. There is a style about this packing which is unequalled, and it is an ornament to any pharmacy.

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"Mr. Benger's
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The LANCET.

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For INFANTS,
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55

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Minimum Retail Prices
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No.0 size.	No.1 size.	No.2 size.	No.3 size.
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**"ZEPTO"
PENCILS.**

**NEVER A
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Always working, either selling itself
and cleansing teeth, or it is pushing
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There never was such an active line as "Zepto"
—*providing it is shown.* Continually advertised, and
gives a wonderful profit.

A WINDOW SHOW
5/3 PER DOZ. 100% P.A.T.A. 9^D.
FACH
NETS THIS ON COST.

**CLIP OUT & POST US
THE COUPON NOW**

so that you can have the 6 doz. on the
special Window Show terms, and earn the
unique profit indicated above.

12 doz sent carriage paid to your address.

**A NEW WINDOW SHOW
IS NEARLY READY. WILL
FOLLOW AS SOON AS IN.**

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Please send me.....
Doz. "Zepto" Pencils
on special Window
show terms, also note
my name for the new
display idea to be sent
as soon as you have
them.



A Weekly Journal of Pharmacy and of the Chemical
and Drug Trades.
ESTABLISHED 1859.

The CHEMIST AND DRUGGIST is in circulation and reputation the leading journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official organ of the Pharmaceutical Society of Ireland, the Chemists and Druggists' Society of Ireland, and of many Chemists' Societies in Australia, New Zealand and South Africa.

SUBSCRIPTION RATES.

FIFTEEN SHILLINGS a year payable in advance to any part of the world, including a copy of *The Chemist and Druggist Diary*. Subscriptions may begin with the first issue of any month. Single Copy, 6d.; *Diary* 3s. 6d. post free. Postal orders and cheques should be crossed "Bank of Liverpool and Martin's Ltd."

Prix de l'abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 15s., franco.

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Head Office: 42 CANNON STREET, LONDON, E.C. 4.
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Coming Events.

Tuesday, July 1.

Pharmaceutical Society of Great Britain, 16 Bloomsbury Square, at 3.30 P.M. Council meeting.

Wednesday, July 2.

Pharmaceutical Society of Great Britain, Memorial Hall, Farringdon Street, London, E.C., at 3.30 P.M. By-law meeting.
Bradford Pharmacists' Association. Motor char-a-banc trip to Fountains Abbey and Studley Royal. Particulars from Mr. A. T. Bailes (Hon. Secretary).

Birmingham Pharmaceutical Association, opposite Queen's College, Paradise Street, at 2 P.M. Excursion by motor-bus to Kenilworth, Warwick, and Leamington. Tickets (10s. 6d. each) for bus and tea from Mr. F. Smith, 221 Soho Road, Birmingham.
Manchester Pharmaceutical Association, Chess Club Rooms, 65 Market Street, at 8.30 P.M. Meeting.

National Association of Chemists' Assistants (Birmingham Branch). Chamber of Commerce, New Street, at 2.30 P.M. Meeting.

National Association of Women Pharmacists, 17 Bloomsbury Square, London, W.C., at 7 P.M. Annual meeting.

Portsmouth Pharmacists' Association, County Club, at 2.45 P.M. Annual meeting and election of officers.

Thursday, July 3.

National Association of Chemists' Assistants, Church Institute, Hood Street, Newcastle-on-Tyne, at 7.15 P.M.

NORTHUMBERLAND P. DURHAM GOLF MATCH.—Chemists desirous of taking part in this match should send their names to Mr. F. R. Parker, 150 Westgate Road, Newcastle-on-Tyne (for Northumberland), or Mr. R. Anderson, 157 Chester Road, Sunderland (for Durham).

Experiences of the Great War.

Contributions to this section are invited.

X.—In a Basra Hospital

IN June 1917 I was placed in charge of this hospital, and have run the show on my own ever since. We had a terrible time in '17, working as hard as blazes with a shade temperature from 116° to 124° for practically a month. The British took over 1,000 beds from our hospital from August to October, and I made a few records at that time. Amongst the things I did was to weigh up over 6,000 powders of aspirin, calomel, and pulv. ipecac. co. during this time, and I only had a "Bhisty" (a native water-carrier) to help me. Commencing work at 4.30 A.M. and going at it most of the day until 7.30 at night, shirt and everything wet through, you cannot realise, unless you have had a dose, what Basra is like when the wet-bulb is about 96°. I have had dysentery, sand-fly fever, the "flu" twice, and occasionally touches of fever about every other day in the hot season. You don't worry about a temperature of 102°-103° in hot weather, and I have seen cases of over 110° walking about. My dispensary is classed as the best out here. I have painted and varnished it, had fittings made, varnished and labelled most of the bottles, hung curtains over openings and in the windows, and put coloured Winchester bottles on stands round the dispensary wall. The following are the colours: Proflavine and acriflavine (yellow), cochineal (from the Bazaar), methylene blue, and cupri. sulph. I think the best way to give you an idea of what I do in the course of a month is to mention a few things that we dispose of:

Tab. calomel gr. i., 8,000.	Vin. ipecac., 20-24 lb.
Tab. aspirin gr. v., 10,000.	Tr. senegæ, 20-24 lb.
Tab. quin. sulph., 5,000.	Ol. ricini, 30-40 lb.
Tab. quin. ac. hyd., 2,000.	Quin. sulph. (in malaria season), 1 lb. a day.
Mag. sulph., 2-3 cwt.	Cotton-wool and lint, 500 lb.
P. acid. boric., 20-30 lb.	White gauze in 6-yd. pkts., 3,000 yds.
P. sodii. bicarb., 30 lb.	Bandages (all kinds), 2,000.
Liq. arsenical., 3-5 lb.	Safety pins, 30-40 dozen.
Spt. ammon. arom., 14-16 lb.	
Tr. nuc. vom., 8-9 lb.	
Tr. camph. co., 20-24 lb.	
Tr. digitalis, 2-3 lb.	

Ours is the largest hospital in Mesopotamia, and the dispensers are kept busy. I have the satisfaction of knowing that I have done my "little bit" in this great struggle.

SERGEANT. (102/1.)

Note on the Preparation of Cresol Solution.

IN diluting cresol solution in a military hospital I used two ordinary enamelled washing-basins and one bucket. Two solutions were made with ordinary commercial cresol (liq. cresotis saponatus), strengths 1 in 80 and 1 in 160. I filled one basin and the bucket with the 1 in 60 solution, and one basin with the 1 in 80 solution. On allowing the three solutions to remain stationary it was noticed that a design, dark in colour and bearing a marked similarity, formed on the surface of each solution. The design appeared first on the stronger solution, secondly on the solution contained in the bucket, and lastly on the weaker solution in the basin. The design was regular, branching outwards and with a principle of bifurcation—that is to say that at one point it split into two branches and no more.

The solutions used were made by the dilution of cresol, which in itself is made by the saponification of linseed oil with potassium hydroxide and the addition of the pure cresol, which consists chiefly of phenol. The percentage bulk of the substance forming the design compared with that of the solution is very small, and is probably due to impurities, perhaps a small proportion of insoluble soap or residue from the oil or cresol. It would be interesting to hear whether other dispensers have noticed this phenomenon. (166/46.)

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

Contracts.

The following Government contracts have been notified:

MINISTRY OF MUNITIONS.—*Fly-papers*.—Extirmo, Ltd. *Medicines*.—Burgoyne, Burbridges & Co., Ltd.; Lister Institute of Preventive Medicines; Parke, Davis & Co. *Oils*.—Newcastle Benzol Co., Ltd.; Oxley's Dyes and Chemicals, Ltd. *Soap*.—John Knight, Ltd.

CROWN AGENTS FOR THE COLONIES.—*Drugs, etc.*—Burgoyne, Burbridges & Co., Ltd. *Quinine Bisulphate*.—Howards & Sons, Ltd.

The following tenders have been accepted by the bodies named:

Cranbrook Guardians.—Mr. A. J. Gray, chemist and druggist, Hawkhurst, surgical appliances.

Isle of Wight Guardians.—A. Millidge & Son, chemists, Newport, drugs.

Whitby Council School.—Mr. J. Brooks, chemist and druggist, drugs, etc.

Dispensing Charges.

The South-West London Chemists' Association has circulated to its members the following suggested scale of dispensing charges and method of pricing:

Charge for all ingredients separately on the following basis:

Ounce price equals one-twelfth cost price per pound.

Drachm price equals one-sixth cost price per ounce.

Grain price equals one-fortieth cost price per drachm.

All resulting prices should be doubled if under 9d.; from 9d. to 1s. should be reckoned as 1s. and be increased to 1s. 6d.; all prices above 1s. should be increased by half. Minimum charge for any ingredient, ½d.

Add to the total of the ingredients the price of the bottle or other container, together with a dispensing fee of not less than 4d. for a mixture or lotion, 8d. for an emulsion, 6d. for an ointment, 9d. for one dozen pills, powders, or cachets.

Minimum Prices to be Charged.

Mixtures: 4 oz., 1s.; 6 oz., 1s. 3d.; 8 oz., 1s. 6d.; 12 oz., 1s. 9d.; 16 oz., 2s.

Lotions and Gargles: 4 oz., 1s.; 6 oz., 1s.; 8 oz., 1s. 3d.; 12 oz., 1s. 6d.; 16 oz., 2s.

Pills and Powders: 1 for 3d.; 2 for 4d.; 6 for 8d.; 12 for 1s.; 24 for 1s. 6d.

Cachets and Compound Powders: 1 for 4d.; 2 for 6d.; 6 for 1s. 3d.; 12 for 2s.; 24 for 3s. 6d.

Suppositories: 6 for 2s.; 12 for 3s.; 24 for 4s.

Compound Ointments: 1 oz., 10d.; 2 oz., 1s. 3d.; 4 oz., 1s. 9d.; containers extra.

The first dispenser should indicate the price charged on the prescription, expressing it by letters taken from the following key-word:—

B I S H O P G A T E
1 2 3 4 5 6 7 8 9 0

Thus, in the case of a mixture for which 1s. 6d. is charged, the price would be represented as B/P.

Chemical Society.

At the informal meeting of the Chemical Society, held on June 19, there were interesting exhibits of fine chemicals by Thomas Tyrer & Co., Ltd., while Boake, Roberts & Co., Ltd., showed a line of chemicals used for making aeroplane "dope." The Whatman filter papers were exhibited by the makers, W. & R. Balston, Ltd., and Evans, Adlard & Co., Ltd., also had a good range of filter papers on view. Two apparatus, one for calibrating pipettes and the other for burettes, experimental machines for making test-tubes and fountain-pen fillers were exhibited, while the effect of some reagents on glass of British as well as foreign manufacture was shown by a series of flashes. Mineral yeast was another exhibit on view.

Birmingham.

A chemical balance and a barrel of honey are among the bargains offered in the local Press.

It is understood that pharmacists will soon be able to obtain ample supplies of sugar. Fats of all kinds, on the contrary, are likely to be scarce.

Mr. Greatrex, who for many years has carried on a pharmacy and a dental practice in the Ladywood district, is retiring. He intends living at New Brighton.

Liverpool.

Showcards of a larger average size are being received.

The demand for straw-hat "revivers" is unprecedented.

Brand labels bearing chemists' own names are prominent in the suburbs.

Mr. W. H. Saunders (Ayrton, Saunders & Co., Ltd.) proposes to commence his round-the-world commercial tour in August.

Owing to the modification of sugar restrictions chemists' sweets and sweetened drinks have reappeared in the windows and on counters.

A notice in a Liverpool pharmacy-window explains that demobilised soldiers can obtain there a tooth paste supplied to them in France. Readers of French papers will probably guess its identity without difficulty.

Into a down-town pharmacy there walked the other day a young steward of an Atlantic liner, home from his first voyage, who handed to the proprietor, his former employer, a photograph and a box of chocolates bought in New York. "There is something in this, if philosophy could find it out."

"Why are you selling So & So's articles at unadvanced prices?" "Why not?" "Because they have notified an advance in to-day's *C. & D.*" "Dear me! I put off reading the advertisements until Sunday." The moral of this actual conversation between two local pharmacists is obvious.

A customer, the mother of a large family, lately confessed to a local pharmacist whom she met at a famous spa that she was in the habit of disciplining her children by administering doses of Turkish rhubarb (as Gregory powder), which they all intensely disliked. The effects, she declared, were both physically and morally good. It is an old question.

It is understood that the transfer (to private proprietorship) of several local pharmacies is almost completed. Overtures for the purchase of pharmacies in Wallasey are also reported. The proposed buyer is understood to be acting on behalf of a well-known drug company. In addition to these prospective changes, certain pharmacists in the central area have been approached by an agent anxious to know on what terms they would sell out and abstain from re-entering business in Liverpool or from acting as managers, etc., in the district. So far no offer to sell has been announced.

Sheffield.

Mr. Billington has resigned his office of secretary of the junior Association.

Panel chemists are handicapped in dispensing ointments, as the local supply of lard has completely failed.

Mr. J. Gilbert Jackson has been appointed to the Executive Committee of the Sheffield branch of the National Council for Combating Venereal Diseases.

The election of Mr. Ernest Preston, Ph.C., as President of the Sheffield Pharmaceutical and Chemical Society (see p. 59) has given great satisfaction in the district.

The Council of the local Society is recommending Sheffield chemists to allow apprentices an extra half-day weekly for attendance at the classes to be formed at the University.

At Sheffield Police Court, recently, George Davis, an assistant works-chemist, was fined 20l. for stealing a quantity of potassium hydrate, rosaniline, and iodine, the property of the Sheffield Gas Company.

The President of the junior Association and three colleagues have had a conference with the senior Society, and after some discussion it has been decided that the members of the Association will join the Society as associates. A junior section is to be formed.

Miscellaneous.

DEATHS AFTER SALVARSAN INJECTIONS.—Two cases of death in hospital after injections of salvarsan have occurred lately—one at Westminster, the other at Bradford. It was suggested at the Westminster inquest (held on June 20) that hot weather set up chemical changes in the liquid. No blame was attached to anyone.

ORGANISING TRADE.—The thirty-eighth Whitley Council (Joint Industrial Council) has been set up. This deals with the iron and steel wire manufacturing industry.—New general minimum time rates for female workers in the sugar, confectionery, and food-preserving trade in Great Britain, proposed to be made by the Trade Board, are detailed in the "London Gazette." The rates range from 9s. per week of forty-eight hours for workers under fifteen years of age, to 44s. per week for those of twenty-four and over.

IN THE COURTS.—At West London Police Court on June 19, the case in which H. C. Leonard is charged with obtaining money and tooth-paste by false pretences (*C. & D.*, June 21, p. 48) was continued. The part of the charge relating to the tooth-paste was not proceeded with, the accused being committed for trial on the other count.—At Salford, on June 19, a girl was fined 1*l.* for stealing face-powder, value 2s., from the shop of Shand & Orr, chemists, Regent Road.—At West Ham, on June 23, a Chinaman was fined 50*l.* for harbouring 2½ *lb.* of opium.

BRAZILIAN BUSINESS.—The Brazilian commercial delegates, who are shortly to tour the commercial centres of Great Britain under the auspices of the Federation of British Industries, are expected to arrive in this country before the end of the present month. They include Dr. Pandia Calogeras, the ex-Minister of Finance, Agriculture, and Commerce, and other eminent Brazilians. The delegates, after a few days' stay in London, will proceed, first to Birmingham, then to Glasgow, Edinburgh, Newcastle-on-Tyne, Darlington, Liverpool, Manchester, Sheffield, Leeds, Leicester, Bristol, Swansea, returning to London about the middle of August. Arrangements have been made for them to visit important works.

POISONINGS.—"Accidental death" was the verdict at a Shoreditch inquest held on June 24, the Coroner remarking that the poison in the case, a solution of potassium bichromate, had probably been mistaken by the deceased (a French polisher) for methylated spirit.—At the adjourned inquest in St. Pancras, London, on June 25, on the body of Mrs. D. L. Turner (*C. & D.*, June 7, p. 46), evidence was given by Mr. J. Webster, assistant analyst to the Home Office, to the effect that traces of veronal had been found in the organs, and traces of morphine in bottles which had belonged to the deceased. An open verdict was returned.—Mr. Frank Cay, a professor of music, residing at East Dulwich, S.E., committed suicide by taking a preparation of opium while of unsound mind.

SALE OF FOOD AND DRUGS ACTS.—At Marylebone Police Court, London, on June 24, the British and Argentine Meat Co., Ltd., Holborn Viaduct, E.C., was summoned for selling sausages containing less than 50 per cent. of meat at a price exceeding the maximum. Three analyses were put in, the first by Professor A. W. Stokes, public analyst for Paddington; the second, for the defence, by Mr. H. E. Davis, public analyst for Birkenhead; and the third by Mr. A. More and Mr. G. Stubbs, of the Government Laboratory, London, W.C. These showed:

	Meat	Bread	Excess of Water
	%	%	%
(1)	30	40	30
(2)	50	27	22
(3)	44	30	25

The Magistrate said it seemed to him, on the balance of the figures put in, that the sausages contained less than 50 per cent. of meat. He imposed a fine of 75*l.*, with 26*l.* 5s. costs.

Irish News.

Brevities.

Lurgan chemists having decided to close their pharmacies at 8 P.M., local doctors have now asked that patients refrain from calling after that hour, except in case of urgency or accident.

Mr. Louis Henry Parkes, Ph.C., late manager of Hayes, Conyngham & Robinson, Ltd., Baggot Street, Dublin, has recently been appointed pharmacist to a London hospital, and intends continuing his medical course in London.

Mr. Jas. Tate points out that in his remarks at the Council meeting of the Pharmaceutical Society of Ireland during the discussion of the North Irish Pharmacists' Association resolution, he referred to the "present evolutionary [not "revolutionary"] condition of the world" (*C. & D.*, June 21, p. 55).

Apothecaries' Hall Examinations.

The report on the medical examinations held by the Apothecaries' Hall of Ireland was presented to the General Medical Council by Dr. John Magee Finny. Among these was the Primary Professional examination held on June 3 to 7, 1918. The practical chemistry test given to the only candidate was to identify (1) an alkalioid, (2) an acid radicle, and (3) a basic salt. The alkalioid (quinine) was discovered, but the candidate failed to confirm it by other tests. In the general remarks attached to the report Dr. Finny writes:

"It appears that a candidate for the Primary examination may be exempted from the part in chemistry if he had passed it in another licensing body. Thus "C. 48" was exempted from that portion, having already passed in chemistry as a pharmaceutical chemist. It is doubtful if the General Medical Council would recognise an examination of the Pharmaceutical Society in place of one held by another recognised licensing medical corporation."

Belfast.

Mr. William McMullan (Thomas McMullan & Co., wholesale druggists) has been appointed senior Vice-President of the Belfast Chamber of Commerce.

At the recent Belfast Recorder's Court, David Ritchie pleaded guilty to charges of breaking into, and stealing from, the pharmacies of Mr. J. Carroll Culbert and of William Dobbin & Co., Ltd. (*C. & D.*, June 21, p. 48). Accused, who was described as a drug maniac, was sent to prison for six months.

Dublin.

A disastrous fire broke out on June 19 in the premises of Hugh Moore & Alexanders, Ltd., wholesale druggists, the Linnen Hall, Dublin. The damage, estimated at 5,000*l.* to 6,000*l.*, is covered by insurance, but some seventy girls have been thrown temporarily out of work. As the permanent factory of the company is nearly completion, it is hoped to reinstate these workers within a fortnight.

Scottish News.

Brevities.

The Board of Agriculture has agreed to found an apiary of fifty colonies at each Agricultural College.

The *locum* is now being sought after more than ever. Chemists, like other men, are in the mood for a long holiday this year.

A Scottish chemist was observed last week in the "heart of the Hielans" reading his *C. & D.* in the open about midnight without the aid of artificial light.

The chemists of Lochgelly have agreed to close their businesses on week-nights at 7.30 (Saturdays at 8.30), and have notified the change in the local Press.

Efforts are to be made to recover the sulphurous fumes arising from waste products lying on the shore at Irvine. It is estimated that 5,000*l.* is lost yearly by neglecting these gases.

An official of the Water Trust, paying a periodical call at a house the other day, noticed a batch of prints washing in the bathroom. "I must report this," he said. "People are not allowed to practise photography in private houses."

Mr. James G. Mackie, who has won the diploma in pharmacy and a gold medal at McGill University, Montreal, was apprenticed in Montrose. Mr. Mackie has also passed, first in order of merit, the Major examination of the Quebec Pharmaceutical Association.

Considerable interest is being taken in the reopening of freshwater pearl-fishing in Scottish lochs and rivers, where some beautiful specimens are to be found. This fishing forms a healthy pastime, although the pearl-seeking pharmacist can no longer regard his catch as an article of *materia medica*.

Judgment has been given in Stornoway Sheriff Court in an action in which the pursuer had purchased certain property for the purpose of providing a place of business for his son, a chemist. The latter had been carrying on business as a chemist prior to the war, but had been on service for over four years, and now desired to restart. The purchaser notified the tenant of a shop in the property to remove at last Whitsunday, and, as the tenant refused, the purchaser sought ejection. The Sheriff-substitute, in granting decree of ejection, said pursuer's son had fought for his country for four years, and had come back to reestablish a livelihood. It would be a great hardship to refuse him this opportunity.

The Fraternity of Dyers.

Mr. William W. Spence, chemist and druggist, Chloroform Pharmacy, Linlithgow, has been elected Deacon of the Fraternity of Dyers. Mr. Spence is the second chemist in the history of this ancient body (which dates back more than 400 years) who has attained this office, the first having been the late Mr. George Waldie. Dr. Robert Spence is one of the standard-bearers of the Fraternity; and five pharmacists have been present at various functions in which Mr. W. W. Spence has been the leading figure. The picturesque ceremony of "Riding the Marches" was carried out recently by the Dyers, the Deacon entertaining forty guests to breakfast at his house in Linlithgow, and to dinner at his country residence, Lowvalley House, Blackness.

Glasgow.

California syrup of figs cannot easily be procured in Glasgow at present. Californian whisky, however—but not Caledonian—is said to be abundant.

Mr. A. Stephenson, 1 Battlefield Crescent, Langside, has been appointed representative for Scotland for Robert Bailey & Son, surgical-dressings manufacturers, Stockport.

Several cases of small-pox have occurred in Glasgow, but the authorities are hopeful of stamping out the disease. During the epidemic of 1904 one chemist sold 40,000 tubes of lymph.

A British Science and "Key" Industries Exhibition is to be held in Glasgow on November 17. It is being organised as a combination of the British Scientific Products Exhibition (promoted by the British Science Guild) and the "Key" Industries Exhibition, both of which were held in London last autumn. Particulars are obtainable from Mr. James Freer, Kelvin Hall, Glasgow.

An outspoken letter, signed "How oft the Means," has lately appeared in the local Press. The point pressed by the writer is that "medical men who dispense for their patients should not be allowed to sign their death-certificates"; and, in illustration, reference is made to the favourite sedative cough-mixture of a Glasgow doctor (whether a doctor still in practice is not stated). The writer of this letter was at one time, evidently, the doctor's dispenser, and he—or was it she?—remonstrated with him, describing the treatment as "a short cut to the grave." "This," continues the correspondent, "dug my grave in a Glasgow doctor's shop." To one "sad-looking customer" the dispenser gave the advice: "Rather die than take any more" (*i.e.*, of this mixture). "I never saw her again," he adds.

Colonial and Foreign News.

MEDICINAL PLANT WORKERS' ASSOCIATION.—Workers employed in the production, working up, and collection of medicinal plants in Hungary have formed an association under the auspices of the Medicinal Plant Section of the Commissariat for Agriculture.

HUNGARIAN MEDICATED-SUGAR BAN.—The production of medicated sugar is now prohibited, although old stocks may still be sold. Those allotted by the Sugar Central and already taken over are expropriated, and must be declared immediately to the Chemical Section of the Commissariat for Social Production.

HYDROCHLORIC ACID DECLARATION.—The people's Commissary for army affairs in Hungary calls for an immediate declaration by all industrial works, firms, and transport undertakings of stocks of hydrochloric acid in excess of 1 kg. Should the hydrochloric acid be required by those holding stocks, the use for which it is intended must be stated.

HUNGARY'S MEDICAL-MATERNITY OFFICE.—A national medical-material office is being established for the supply, storage, and distribution of medical material for hospitals, sanatoria, etc. Its duties will include the establishment and equipment of new hospitals, etc., and the control of the consumption of the material in question. The supply and distribution of medicines, chemical products, and drugs continues in the hands of the Medical Supply Central.

CANADIAN TRADE IN CHEMICALS AND DYES.—A report on the trade of Canada and Newfoundland for the year 1918, by Mr. F. W. Field, H.M. Trade Commissioner at Toronto, has been issued [Cmd. 163, 6d.], but there is little of practical interest in it to the wholesale druggist and manufacturing chemist, although the report runs to ninety-five pages. Dealing with chemicals, Mr. Field says "some progress" has been made, especially in the district of Niagara Falls, the activities of the Imperial Munitions Board, Ottawa, having in a large measure been responsible for the development. Canada's activity in producing chemicals during the war has been dealt with in previous issues of the *C. & D.*, and little new ground is covered by Mr. Field's report. Perhaps it is interesting to note that a Canadian company is now making sal ammoniac, but only in sufficient quantities for the home trade. As regards dyes, the United States supplies the Canadian market, and if the United Kingdom wants the business more aggressive methods will have to be adopted. Canada is not likely to establish a dye industry of its own for many years.

CHEMICAL PRODUCTION IN POLAND.—The Germans closed down all the chemical factories in Congress Poland which had escaped destruction in the war: consequently, last November products were so scarce that 500 mk. was paid for 100 kg. of ammoniated soda, 3,600 mk. for caustic soda, and 300 mk. for sulphuric acid. To avoid probable profiteering when Galicia and Silesia (both possessing factories in working order) were united to the Congress Kingdom, the Raw Materials Department persuaded the Polish Liquidation Commission in Cracow to fix maximum prices for such products and to give first offer to the industrialists. As a result twelve glass factories were supplied, as were also ironworks, molasses refineries, etc. Soapworks were started, and up to April the Minister of Supplies had received 100,000 kg. of soap at 5 mk. per lb.—half the market price. When sulphuric acid became cheaper factories for the manufacture of artificial fertilisers were started, and the State and communal institutions were supplied with chemical products. Only a few of the principal chemical products are expropriated at present, and of these a certain proportion is released for trade subject to strict observance of prices established by the Raw Materials Department. Ammoniated soda now costs 100 mk. per 100 kg., and caustic soda 70 mk.

Water may be softened with an ammonia solution previously neutralised with boric acid.

Legal Reports.

White Pepper Contract.—In the King's Bench Division, on June 19, Mr. Justice Bailhache had before him the case of *C. W. H. Clark (trading as Wright, Crossley & Co.) v. Cox, McEuen & Co.*, Baltic House, Leadenhall Street, London, E.C., which was an action to recover damages for alleged breach of contract. Defendants sold to plaintiffs 10 tons of Muntok white pepper at 1s. 8d. per lb., and declared that 136 bags were shipped by a vessel which was afterwards lost at sea. Plaintiffs claimed 506l. 13s. 4d., being 6½d. per lb., the difference between the contract-price of 1s. 8d. and 2s. 2½d., the market-price at the time of the breach of contract. Defendants admitted the contract, but said that it was provided that, if the vessel was lost before the declaration, the contract should be cancelled. His Lordship held that the declaration was made with due despatch, and was a proper declaration. He therefore entered judgment for defendants, with costs.

Caustic Soda Sale.—On June 17, in the King's Bench Division, Mr. Justice Bailhache heard an action by *H. Rymer & Co., Barking*, against *Gold, Lea & Co., Old Jewry, London, E.C.*, for 239l., the price of a sale of 10 cwt. of crystal citric acid to the defendants. Defendants counter-claimed for 572l., the price of the balance of a sale of 30 tons caustic soda made by them to plaintiffs on October 15, 1918, or alternatively for 242l., the difference between contract and market price of the balance of the goods. His Lordship, in giving judgment on June 18, found that *Rymer & Co.* were bound to pay the contract price of the remaining 15 tons of caustic soda. There would be judgment for the plaintiffs in the action without costs, and judgment for the defendants on the counter-claim, with costs. He gave judgment for plaintiffs without costs because he was satisfied that the intention of the parties was that the price of the citric acid should be set off against the price of the caustic soda.

Saccharin Contract.—An action arising out of a contract for saccharin came before Mr. Justice Bailhache, in the Commercial Court of the King's Bench Division, on June 19. The plaintiffs were *Gaston Williams & Wigmore, Ltd., Bishopsgate, London, E.C.*, who sued *George Spyer & Co., of Bury Street, E.C.*, claiming damages for alleged failure on the part of the defendants to take a certain quantity of saccharin which had been sold to them by the plaintiffs. Plaintiffs' case was that in September 1918 they sold to the defendants 300 lb. "Empire" saccharin, 550 strength, at the price of 263s. in bond, delivery October 15, 1918. Defendants further agreed to pay to the plaintiffs interest at the rate of 6 per cent. on the contract-price from the date of contract until the date of delivery. Defendants, it was alleged, had failed to take delivery of the saccharin. Plaintiffs, by arrangement, resold 50 lb. on defendants' behalf, and had been paid by the defendants the loss resulting from such re-sale. As to the balance of 250 lb., defendants had failed to take delivery. Defendants alleged that, in order to induce them to make the contract, plaintiffs represented to them that there was practically no saccharin in stock in this country, and that defendants would be well advised then to purchase all the saccharin they would be likely to require during the next three or four months. Defendants put in a counter-claim. Mr. Raeburn, K.C., on behalf of the plaintiffs, said that in 1918 there was a huge demand for saccharin for domestic consumption, and prices were high, but the armistice knocked the bottom out of saccharin, and down went the prices. After hearing the evidence, his Lordship gave judgment for the plaintiffs for 2,400l., with costs, and dismissed the counter-claim. Mr. Raeburn said there was an allegation of fraud, which his clients very greatly resented. His Lordship: There is obviously nothing in it.

A Libel Case.—A libel action brought by Mr. George Dittrick Cartellieri, chemical and general merchant, 96 Leadenhall Street, London, E.C., against *Lazard God-*

chaux & Co., Ltd., chemical and dye merchants, Walter House, Strand, was settled before Mr. Justice McCardie in the King's Bench Division on June 19. Mr. J. G. Hurst, K.C., on behalf of the plaintiff, said his client had been for some years acting as an arbitrator in trade disputes. He was a member of the British Chemical Trade Association, and was on the panel of arbitrators of that Association. In December last the defendants entered into a contract for supplying a certain chemical—caustic soda—to *Dexters Ltd.* A dispute arose, and the defendants approached the plaintiff to act as arbitrator in the dispute. Plaintiff consented, and the vendors of the soda afterwards agreed that the plaintiff should act as sole arbitrator. Unfortunately for the defendants the decision was against them, and probably they were a little restive in consequence. In January last they wrote a letter in which they made an imputation upon the plaintiff. They said "We refrain from commenting upon the conduct of the arbitrator for reasons of our own." Plaintiff felt that that was an imputation which was fatal to his business as an arbitrator, and he called upon defendants to explain. Defendants did not attend to the application, and in consequence these proceedings were brought. Plaintiff was not anxious to make money out of the proceedings, but only desired to establish his good name. Counsel for the defendants had agreed to judgment for the plaintiff for 10l. damages, and to pay plaintiff's solicitor and client costs. Defendants also unreservedly withdrew any imputations on the plaintiff and expressed regret. Mr. E. A. Harney, for the defendants, apologised to the plaintiff, and expressed regret for the words which they had used. Mr. Justice McCardie entered judgment for the plaintiff for 10l. damages, and solicitor and client costs.

Malt Foods and Extracts.—On June 20, in the Commercial Court of the King's Bench Division, Mr. Justice Bailhache had before him an action brought by *Henry Algernon Taylor, Douglas Day Taylor, Henry Douglas Taylor, and Cuthbert Tuke Taylor*, trading as the *British Diamalt Company*, manufacturers of malt foods and extracts, Sawbridgeworth, Hertford, against *Jacob Hauser, Moritz Sabotka, Hugo Hauser, Alfred Hauser, Hans Sabotka, and Felix Sabotka*, trading as the *Erste Wiener Export Malzfabrik Hauser and Sabotka*, manufacturers of patented and proprietary malt foods and extracts, Vienna. The plaintiffs claimed a declaration that certain contracts dated March 30, 1906, December 20, 1910, and September 30, 1913, made between them and the defendants were, as from August 12, 1914, dissolved by the existence of a state of war between Great Britain and Austria-Hungary. The case for the plaintiffs was that the defendants agreed for a consideration to give the plaintiff firm the right to manufacture, sell, and use within the limits of the kingdom of Great Britain, Ireland, South Africa, Australia, New Zealand, and the Empire of India certain proprietary processes then belonging to the defendants, and all developments, whether manufactured or discovered by either of the parties, for the production from corn and malt of diastatic or non-diastatic malt-extract preparations. It was further provided by the agreement of March 30, 1906, that the plaintiff firm were not to trade or compete with the defendants outside the said districts. The plaintiff firm, since the outbreak of the war, had considerably improved the processes, and discovered certain foods and extracts which, it was submitted, if the contracts were still binding upon the plaintiffs, were articles within the scope of the contract of March 30, 1906, and might not be manufactured and sold by them without the consent of the defendants. The agreements were still subsisting, and, if carried out in their entirety, would, it was alleged, involve intercourse with the enemy. The defendants denied that the plaintiff firm had improved the said processes or discovered certain foods and extracts, or that such improvements, foods, or extracts were articles within the scope of the contract of March 30, 1906, as alleged. The defendants also denied that the agreements, if carried out, would involve intercourse with the enemy. The case for the plaintiffs was argued by

Mr. Leck, K.C., who submitted that the contracts were dissolved by the war. Mr. Compston, K.C., on behalf of the defendants, said, if the contracts were dissolved, all their royalties in this long period, now nearly five years, would have gone. His Lordship said he was satisfied these contracts were, for certain purposes, dissolved, and he would make the declaration claimed, without prejudice to any rights of the defendants; liberty to apply if any question arose as to what those rights were. He would reserve the question of costs.

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

J. F. EARDLEY, LTD. (P.C.).—Capital, 20,000*l*. Objects: To acquire the business carried on at the Ecclesall Mineral Water Works, Stalker Lees Road, Sheffield, by J. F. Eardley.

STANDARD ESSENCE CO., LTD. (P.C.).—Capital 2,000*l*. Objects: To carry on the business of manufacturers of and dealers in flavouring and other essences. R.O.: 64 Southwark Bridge Road, London, S.E. 1.

HOWARD STEVENS & CO., LTD. (P.C.).—Capital, 3,000*l*. Objects: To acquire the business of a manufacturing chemist, druggist, and drysalter carried on by T. Wilson, at 20 Highgate Road, London. R.O.: 20 Highgate Road, London, N.W. 5.

"C. CURE," LTD. (P.C.).—Capital 5,000*l*. Objects: To acquire from E. A. Cairns, of 20 Wenham Drive, Westcliff-on-Sea, accountant, a secret remedy for sea-sickness, and to carry on the business of chemists, druggists, &c. R.O.: 166-8 Bishopsgate, London, E.C. 2.

SEQUARINE, LTD. (P.C.).—Capital 2,000*l*. Objects: To acquire the business of manufacturer of the tonic known as "Sequarine" (being a branch of the business carried on by C. H. F. Richter, under the title of "C. Richter & Co."). The directors are: C. H. F. Richter (Swiss), Albion House, 59-61 New Oxford Street, London, W.C. 1, and F. H. Andrews.

GENATOSAN, LTD.—The hundred thousand preference shares recently issued by this company were over-subscribed for at an early date.

JOHN KNIGHT, LTD.—The directors have declared the usual interim dividend on the ordinary shares at the rate of 6 per cent. per annum for the half-year ended May 31.

STEVENSON & HOWELL, LTD.—The directors announce a net profit for 1918 of 28,650*l*.; 54,639*l*. was brought in, making 83,559*l*. A further dividend of 15 per cent., making 20 per cent., free of tax (same as for 1917), has been declared. 2,000*l*. has been placed to reserve, increasing it to 45,000*l*., and the carry-forward is 59,378*l*.

UNITED CHEMISTS' ASSOCIATION, LTD.—In the Chancery Division, on June 20, Mr. Justice Younger confirmed resolutions by the United Chemists' Association, Ltd., which were passed during the years 1915, 1917, and 1918, and which increase the capital of the company from 15,000*l*. to 50,000*l*. His Lordship remarked that this prosperous company seemed to have done nothing else than to pass resolutions of that character.

BRUNNER MOND & CO., LTD.—The annual meeting was held at the Exchange Station Hotel, Liverpool, on June 20, Mr. Roscoe Brunner presiding. The Chairman, in moving the adoption of the report and accounts, gave an interesting account of the company's war work on behalf of the State, particularly in regard to the production of ammonium nitrate, synthetic phenol, and the purification of T.N.T. Dealing with the manufacture of phenol, the Chairman said that its synthetic production from benzol was necessary, as the supply obtained from coal-tar was utterly inadequate. The process had been carried on on a manufacturing scale in France, but not in this country; and although the company could not claim the working

out of the process, the staff so improved it as to get the highest yield of any plant in the country. At the time the armistice was signed the company had nine different plants under direct control, with a joint productive capacity of considerably more than 5,000 tons a week of high explosive material. The report and accounts were adopted.

EVANS SONS LESCHER & WEBB LTD.—An extraordinary general meeting of the shareholders was held on June 18 at the registered office of the company, when an extraordinary resolution altering the articles of association in respect of the transfer and transmission of the ordinary shares of the company was submitted. The Secretary having read the notice convening the meeting, the Chairman (Mr. J. H. E. Evans), who presided in the absence of the Chairman and Deputy-Chairman, explained briefly that the resolution now submitted marked a new departure in the policy of the company, the ordinary shares having hitherto been privately held by the directors and a few employees of the company. Should the resolution be carried and subsequently confirmed as a special resolution at the extraordinary general meeting to be held on July 5, the ordinary shares of the company would become transferable and a resolution authorising the creation of an additional 150,000 of such shares would be submitted at the same meeting. The capital of the company would thus be increased to 750,000*l*., an increase which had become necessary owing to the continued expansion of the business. The new shares when issued would be offered to the public, preference being given to the existing shareholders and customers of the company. The resolution was carried unanimously.

BRITISH CYANIDES CO., LTD.—The annual meeting was held on June 20 at the Cannon Street Hotel, London. E.C. Mr. C. F. Rowsell (Chairman of the company) presiding. In moving the adoption of the report and accounts, the Chairman said that the balance of profit for the year was 20,572*l*., against 36,725*l*. in the previous year. He referred briefly to the principal reason for the considerable diminution in the profit. At the date of the Armistice they were engaged in a very considerable way in the manufacture of an important chemical for the Government, and the shareholders would understand that where it was necessary, as it was in this case, to organise plant rapidly and acquire raw materials to enable production on a substantial scale to be undertaken very considerable expenditure was incurred, and, if that manufacture had to be suddenly abandoned, there must be a very considerable loss of profit, and also loss of capital. Mr. Kenneth M. Chance (managing director), in seconding the motion, referred to the difficulties experienced in the winter of 1915-16 in making carbonate of potash for optical-glass manufacture. Mr. Chance said that, in order to produce an absolutely pure article, they carried on research work in the laboratory and in the works at the same time on a big scale, putting up and taking down in the course of some three months no fewer than three large-scale plants. Perhaps the most valuable work which they had done for the country during the war had been in connection with permanganate of soda. They were approached by the Anti-Gas Department to make that article, which had never before been produced, except in the laboratory. They were successful in making it on a large scale, and he was proud to think that in this way they did very much towards rendering useless the German gas. He wished, before leaving this subject, to pay a personal tribute to the remarkable work carried out by the late Colonel Harrison, as head of the Anti-Gas Department. It was not generally known that what that gentleman did was to think out what the Germans were going to do next and be ready for them before they did it, and he achieved a most remarkable success. As a matter of fact, Colonel Harrison had killed himself in the interests of his country; he had refused to take a holiday, and when influenza seized him last November he died, just before the Armistice was signed. He (the speaker) wished to express the extreme admiration that he had for the work of Colonel Harrison, and to say what a very great loss the country had sustained by his death. The report and accounts were adopted.

German Poison-gas Factories.

THE Allies in occupation of German territories have the right of access to the German chemical factories situated in the area, and an Inter-Allied Commission has visited the principal works devoted to the manufacture of dyes, medicinal products, and standard chemicals. During the war these were occupied with the production of poison gas used in warfare. Major Theodore W. Sill, reporting on his visit as a representative of the United States on the Inter-Allied Commission, reports that, notwithstanding the air-raids to which the factories were subjected, these German plants, "probably the greatest of the potential possibilities for war-material production," are "in splendid condition with a large, highly trained force of employes, and, moreover, with additional opportunities for increasing their production by utilising the extra equipment added for war-material production." The lack of oil and greases for lubrication of the machinery is the only apparent handicap in the factories. Major Sill warns the American people that this German industry is "a dangerous factor in the struggle for commercial supremacy, and also a potential source of war-material production unless properly controlled." The report ("Journal of Industrial and Engineering Chemistry") then describes the visits paid to the various poison-gas factories:

Arriving in Cologne, we made our headquarters there while making a tour of investigation through the plant of the Farbenfabriken vorm. Friedrich Bayer & Co. at Leverkusen, and also the plant of Weiler-ter-Meer at Uerdingen-on-the-Rhine.

The plant of the Bayer Co. stands out pre-eminently as the best and most modern of German chemical plants. It is a veritable city in itself, well laid out, with excellently constructed streets and brick buildings. Their office building and recreation buildings for the employes are luxurious palaces. This plant has expanded considerably during the war, and, despite the contrary assertions of its directors, was widely engaged in the manufacture of war products, particularly poison gases. We had the opportunity of meeting Dr. Duisberg, the chief director, and, incidentally, one of the ex-Kaiser's right-hand men in the development of the war. Many will remember him from his visit to this country at the time of the Chemical Congress in 1912. Incidentally, he hopes to be over here again very soon to see his "old-time friends."

The plant of Weiler-ter-Meer at Uerdingen is also an excellent development, kept up in very good condition. . . . Of all the men whom we met in the various plants in Germany, the head of this plant was the most cordial and open in all his dealings with us. It was, of course, a difficult and humiliating position for men to be in, and in many cases we encountered sullen indifference, particularly among the plant directors, but among the lower classes of foremen and workmen there does seem to be a general recognition of the fact that the war has been lost and also that the cause was wrong to start with. . . . After spending a few days in Coblenz . . . we journeyed up the Rhine to Mayence, the headquarters of the French area. Within this area we were privileged to visit the Kalle plant at Biebrich. Very little war work had been done at this place, and the plant was probably the poorest of all we saw, being old, dirty, and in a run-down condition.

At Hoechst-on-the-Main we went through the great plant of Meister, Lucius and Brüning, who were pioneers in the development of German poison gases, and had done considerable work in all kinds of war material. They, too, had a large, very fine plant, well laid out, and in good operating condition, extending for many acres along the river. They are quite progressive and have developed on a large scale.

A little later we went up to the greatest of all plants, the Badische Anilin und Soda Fabrik at Ludwigshafen. This plant employs about 16,000 men, and covers many acres of ground. They have the plant for dyestuffs, intermediates, etc., at Ludwigshafen, and a little further up the river, at Oppau, is located the plant for the Haber process. Considerable work on war products was done at Ludwigshafen, but they also were able to make dyestuffs on an appreciable scale during the war. At the present time they have a large stock on hand ready to turn loose on the markets when permission is granted. They, too, had done considerable work on poison gases and explosive intermediates, but not to an

extent which would at all interfere with their resumption of dyestuff manufacture on a large scale.

At Oppau we saw what is probably the most phenomenal scientific development up to date—namely, the practical realisation on an operating basis of the Haber process for ammonia production. The buildings are all quite new and well constructed, and the vast amount of detail has been studiously and carefully worked out on a practical operating basis producing upward of 100,000 tons of ammonia per year. This plant was a large factor in enabling Germany to stay in the war as long as she did, by means of producing large quantities of nitrates. The Germans have also another plant, a duplicate of this, which they are operating in the unoccupied area of Germany, so that it is really a great practical possibility at the present time. Incidentally, it came to our attention that Haber, to whom Germany owes so much of her development in chemical products in warfare, had never attained a higher rank than captain in the German chemical warfare service, despite the responsibility and immensity of his job.

Looking at our inspection of the German plants from a general viewpoint, it is my opinion that, considering the advantage gained in America by the last four years of experience in chemical manufacturing and the lessons learned by our equipment manufacturers, the German plants at the present time from an equipment standpoint and general layout are not superior to the existing American development, their advantage being that they have an experienced and long-trained *personnel* schooled and willing to carry on the laborious details; but if our people here at home will encourage our new, rapidly growing industries, there is no reason why our own *personnel* cannot equal or, in fact, surpass that of the Germans.

There are but few distinctive features to be observed which might advantageously be adopted in some American plants. For instance—(1) the Germans have a very clever method of building their water-towers around the powerhouse chimneys or stacks, thus utilising the waste heat and keeping their water from freezing; (2) they have a method of distributing the pressure in the filter presses so that it is not only applied at the centre by a large screw, as in most of our presses, but also horizontally along the sides of the press; (3) at one place we saw an excellent automatic nitration system, based upon the alternate filling and refilling of a small tank with a measured quantity of water, which in turn was connected with valves releasing definite amounts of acid and benzol; (4) the Germans have in practically all of their plants a very high grade of lead fittings, in which art they have advanced remarkably well; (5) in many cases it was also noted they used square flanges on the elbows for their high-pressure piping connections. On the other hand, one notices considerable lack of conveying equipment, such as bucket elevators and belt conveyors through these plants, the probability being that they utilise man power much more than we do, and do not rely upon mechanical equipment so much. . . .

Among the developments to be noted during the war in Germany, which are of special interest, was the production of synthetic rubber on a large scale and a practical basis. This was done at the Bayer plant in Leverkusen, and the production, though very expensive, was of material assistance in meeting their great shortage of rubber.

Gazette.

Bankruptcy Acts.

RECEIVING ORDER AND ADJUDICATION.

WALTON, J. A., late of 10 Carlton Grove, Shipley, Yorkshire, saccharin-tablet dealer and commission agent.

Bankruptcy Report.

Re Thomas John Walterson Williams, Drug Stores, Cwmparc, Treorchy, Glamorgan. The following are creditors: Dental Manufacturing Co., 30/.; Edwards' Dental Manufacturing Co., 15/.; Potter & Clarke, Ltd., 56/.; A. & F. Pears, Ltd., 17/.; Osborne, Garrett & Co., Ltd., 35/.; Veno Drug Co., Ltd., 11/.; Lysol, Ltd., 8/.; Turner Chemical Manufacturing Co., 8/.; and Western Dental Co., 14/.

THE National Association of Industrial Chemists has applied to the Registrar-General to be registered as a trade union.

Summer Outings.

A Boots Picnic.

On June 21 the staff of Boots, Ltd., Bond Street branch, Leeds, travelled to Bolton Woods, where an enjoyable outing was held. Mr. Pendlebury (manager of the branch) and Mrs. Pendlebury acted as host and hostess, showing the places of interest and afterwards providing tea at the Bridge Café. The company numbered about forty.

Scarborough Pharmacists' Motor-drive.

Instead of the usual meeting of the Scarborough Association of Pharmacists, on June 18 a party of members motored to Kirkby Moorside, and, after a pleasant ramble in the district, tea was served at the White Horse Hotel. A meeting was then held at 7 p.m. on the slope of a hill, and matters concerning closing-hours and price alterations were settled. Mr. Senior (Secretary of the Association and Pharmaceutical Committee) tendered his resignation, and Mr. W. H. Newton was asked to become his successor.

Raimes, Clark & Co. at Roslin.

On June 21 the employees of Raimes, Clark & Co., Ltd., Edinburgh, journeyed to Castle Dryden Grounds, near Roslin, where the annual picnic was held. Favoured with fine weather, the outing was an enjoyable one. Two dozen overseas soldiers were again included in the company, and in the afternoon a programme of sports and games was carried through, the principal item being "The Overseas Stakes," in which twenty soldier representatives of Australia, Canada, New Zealand, and America took part. A football match (Raimes, Clark & Co., Ltd., *versus* Visitors) was evidently a humorous event. Tea was provided in the Roslin Public Hall, where Dr. George Coull presided over an assembly of 140. Other directors present were Messrs. J. H. Davies and J. P. Gibb. The Chairman spoke of the continued prosperity of the company, due, in large degree, to the good feelings existing between employers and employed. He was proud to see so many of their men returned from service overseas and wearing decorations. Tea was followed by music and dancing. The arrangements were in the capable hands of Mr. George Mark.

Eastbourne Pharmacists' Outing.

The Eastbourne Pharmacists' Association held an enjoyable outing, recently, when a visit was paid by motor char-à-banc to Hawkhurst. The route lay through some of the prettiest spots in Sussex, including Horsebridge



EASTBOURNE PHARMACISTS AT HAWKHURST.

Mills, Heathfield, and Hurst Green; and, on the homeward journey, Bodmin Castle (which was inspected), Battle, Hailsham, and Willingdon. The opinion was general that another excursion should be arranged before the summer is gone.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative

THE MINISTRY OF HEALTH.

It is announced that the transformation of the Local Government Board into the Ministry of Health has now taken place, and that Dr. C. Addison has been appointed the first Minister of Health. The "London Gazette" contains a notice that in pursuance of Section 8 (2) of the Ministry of Health Act, 1919, an order is being made providing for the establishment of Consultative Councils in England.

CHEMICAL WARFARE DEPARTMENT.

Mr. Kellaway, Deputy-Minister of Munitions, in the House of Commons on June 24, in bringing forward a motion authorising the expenditure of the Ministry of Munitions for the year ending March 31, 1920, referred to the Chemical Warfare Department as follows: There has been some rather acid comment on the fact that contracts were placed for poison-gas that did not realise all our expectations. We never reached a perfect gas. Whatever some jaundiced critics may say about some of those contracts, the British soldier will salute the men of the Chemical Warfare Department of the Ministry of Munitions who in cold blood risked their lives in connection with the experiments which they undertook to start this war industry, with the result that we were able in the ten months of 1918 to send out to France 15,500 tons of gas for use against the Germans, and although I do not think that we ever succeeded in improving on the effectiveness of the German gas, we certainly were equal to it, while on the defensive side of gas warfare the Chemical Warfare Department of the Ministry succeeded in providing a defence that undoubtedly made our gas-mask the best of any of the fighting forces, and we were never taken by surprise by the Germans.

Business Changes.

THE ANGLO-FRENCH DRUG CO., LTD., have removed to larger premises at 238 Gray's Inn Road, London, W.C. 1.

MR. PETER EDEN, chemist and druggist, has taken over the business of Mr. J. Blair, chemist and druggist, Cleator Moor.

MR. W. B. W. METCALFE, chemist and druggist, has purchased the business of the late Mr. H. Edward Ellis, Ph.C., Llanfair, Welshpool.

SPURWAY ET CIE, LTD., perfumery manufacturers, have removed from 14 Bartholomew Close, London, E.C. 1, to 89 Great Eastern Street, E.C. 2.

MR. P. H. WARREN, chemist and druggist (Shields & Warren, London Road, St. Albans), has taken over the business of Mr. F. E. Tozer, chemist and druggist, Clarence Park.

MR. HUGH MASON, chemist and druggist, formerly of The Broadway, Bexley Heath, has purchased the pharmacy recently carried on by Mr. R. B. Hodder, Ph.C., Rotherfield, Sussex.

MR. H. SLOOG, agent for Danto Rogeat & Cie., chemical engineers, Lyons, and for other French firms, has removed from 51 Anson Road, London, N.W. 2, to 45 Great Marlborough Street, W. 1.

MR. A. R. ANDREW, late with John Morgan Richards & Sons, Ltd., and with Mr. R. J. Reuter, is opening an establishment as a manufacturer's agent at 6 Love Lane, Wood Street, London, E.C. 2, on July 1.

MR. C. W. PARKER has started in business as a manufacturer, importer, and exporter at 23 Coleman Street, London Wall, London, E.C. 2. He is the wholesale and export agent for Orela, Ltd., 37 Berners Street, W.

MR. R. D. SILVER, chemist and druggist, will take over, on June 30, the business of Hitchman & Son, chemists, at Market Place, Kettering, of which he is the manager. Mr. Walter Hitchman, chemist and druggist, will continue to carry on the firm's business in Gold Street.

Scottish Pharmaceutical Federation.

MR. ALEXANDER MURRAY, hon. secretary of the Scottish Pharmaceutical Federation, sends us a statement of the position and aims of the Federation as a reply to the addresses delivered in various cities of Scotland by Sir William Glyn-Jones. After an introduction, which refers to the movement towards combination in business, accelerated by the Government programme of Trade Boards and Industrial Councils, the statement proceeds:

It is undeniable that the trade of pharmacy is not at present organised on the lines of other businesses. The Pharmaceutical Society is representative of the members of the trade professionally rather than commercially. It is idle to say that it is a trade combination. It possesses a Royal Charter modified by statute. Its powers and functions are to be found there, and it can no more operate as a trade combination or as a trade union than a trade union can operate as the Pharmaceutical Society. It is true that the Pharmaceutical Society has in its charter a statement that it is formed "for the protection of those who carry on the business of chemists and druggists," but it can give that protection only within its mandate, and if it endeavours to regulate prices, impose penalties for failure to observe these prices, or impose any restrictive conditions upon the conduct of the trade it will be exceeding its mandate. A body which is constituted for these objects is a trade union. The definition of a trade union is to be found in the Trade Union Act of 1871 as amended by the Trade Union Amendment Act, 1876. As amended it is as follows:

"The term 'Trade Union' means any combination, whether temporary or permanent, for regulating the relations between workmen and masters, or between workmen and workmen, or between masters and masters, or for imposing restrictive conditions on the conduct of any trade or business, whether such combination would or would not, if the principal Act (1871 Act) had not been passed, have been deemed to have been an unlawful combination by reason of some one or some of its purposes being in restraint of trade: provided that this Act shall not affect:

- (1) Any agreement between partners as to their own business;
- (2) Any agreement between an employer and those employed by him as to such employment;
- (3) Any agreement in consideration of the sale of the goodwill of a business or of instruction in any profession, trade, or handicraft."

The regulation of prices may or may not be a politic thing. The imposition by agreement among traders of restrictive conditions as to engaging employes of one another, etc., may or may not be prudent from a commercial standpoint, but any body or society that acts in such directions is a trade union. The pharmaceutical trade in Scotland, recognising this position, proceeded to organise itself on trade union lines. The Scottish Pharmaceutical Federation is the result. It was declared by all concerned that the new organisation is in no way antagonistic to the Pharmaceutical Society. It intends to work along lines that are quite incompatible with the present constitution of the Pharmaceutical Society. Everyone can bear witness to the fact that the Society has always wisely refrained from acting as a trade union, not merely on the ground that it was inexpedient, but upon the ground that it would be acting *ultra vires*. If it had attempted so to act any member could have obtained an injunction against it in a court of law. If it had so acted it would have probably lost its charter. Where a certain limited liability company (whose main object was for the protection of the property of members) acted as a trade union its registration under the Companies Acts was declared by the Court null and void. For similar reasons a trade union which registers under the Friendly Societies Acts is null and void. Royal Charters are not given to trade unions.

The reason for the above is to be found in Section 5 of the 1871 Act, which is as follows:

The following Acts—that is to say.

- (1) The Friendly Societies Acts, 1855 and 1858, and the Acts amending the same;
 - (2) The Industrial and Provident Societies Act, 1867, and any Act amending the same; and
 - (3) The Companies Acts, 1862 and 1867.
- shall not apply to any trade union, and the registration of any trade union under any of the said Acts shall be null

and void, and the deposit of the rules of any trade union made under the Friendly Societies Acts, 1855 and 1858, and the Acts amending the same, before the passing of this Act, shall cease to be of any effect.

Notwithstanding these obvious considerations, Sir William Glyn-Jones came down to Scotland and told pharmacists that the objects of the Pharmaceutical Society and the objects of the Scottish Pharmaceutical Federation are identical—viz., "The protection of those carrying on the business of chemists and druggists." Surely Sir William underestimates the intelligence of the trade when he suggests that the objects of the two bodies are identical. In the constitution of the Federation the third object is as follows:

To make and enforce agreements between members of the Federation, or between the Federation or such of the members thereof and members of other Federations or Associations of any kind, concerning the terms and conditions on which members for the time being shall or shall not sell their goods, transact business, employ or be employed.

Is it possible to find anything like such an object within the four corners of the constitution of the Pharmaceutical Society? The Executive Council of the Federation have power to make and enforce by-laws for the objects of the Federation, and they have also power to impose fines or penalties on the members of the Federation for any infraction of the rules or by-laws. Does Sir William Glyn-Jones suggest for one moment that the Pharmaceutical Society could legally do any of these things? The issue is clear, and yet Sir William Glyn-Jones emphatically stated that the Pharmaceutical Society could do everything that the Scottish Pharmaceutical Federation proposed to do.

The statement then reviews the circumstances under which the resolutions were adopted at Edinburgh, and concludes:

There is absolutely no doubt that the pharmaceutical chemists of Scotland are resolved to have effective combination for trade purposes. It is possibly true that addresses of Sir William Glyn-Jones in Scotland have been directly in the interest of the trade. They have delayed the development of the Federation when its complete organisation is essential in order that Scotland may have a satisfactory representation upon the proposed Industrial Councils. The employes of the trade are being organised upon trade-union lines, while the employers have been held up in order to hear the addresses. . . . Even with reference to the proposed Industrial Councils the weakness of the constitution of the Pharmaceutical Society is seen. The Industrial Council will be a joint Council representative of employers on the one side and employes on the other. Both employers and employes are members of the Pharmaceutical Society. How can that great Society act as the foster-parent of both sides of the Council? The Scottish Federation appreciates the important services that Sir William Glyn-Jones has rendered to the trade, and it is therefore with regret that they find themselves in conflict with him on this all-important matter. They hope that after further consideration Sir William Glyn-Jones will acknowledge the two distinct spheres of action of the Pharmaceutical Society and the Scottish Pharmaceutical Federation, and that his valuable assistance may be available for both.

Wills.

MR. WILLIAM WHEATLEY, retired wholesale druggist, 4 Queen's Road, Edgerton, Huddersfield, who died on March 10, left 28,308*l.* 3*s.*

DR. JOHN GORDON, M.D., 1 Rubislaw Terrace, Aberdeen, who died on March 22, left personal estate in the United Kingdom valued at 27,881*l.* 4*s.* 6*d.*

MR. THOMAS FAIRLEY, 8 Newton Grove, Chapel Allerton, Leeds, city analyst, who died on February 2, left estate valued at 5,456*l.* 0*s.* 4*d.* gross, with net personality 5,296*l.* 5*s.* 9*d.*

MR. GEORGE INGLE, chemist and druggist, 6 The Broadway, Phippsville, Northampton, who died on February 13, left estate valued at 2,518*l.* 16*s.* 1*d.* gross, with net personality 1,405*l.* 15*s.* 8*d.*

CUT FLOWERS may be given a longer existence by the addition of powdered charcoal, common salt, potassium nitrate, sodium carbonate, or ammonium chloride to the water containing them. Weak camphor-water has also been suggested.

Birth.

BACARESE.—At 2 Stirling Road, Clapham, London, S.W. 9, on June 24, the wife of L. L. Bacarese, F.I.O., chemist and druggist, of a daughter.

Marriages.

CADBURY—WILSON.—At the Friends' Meeting House, Edgbaston, Birmingham, on June 24, Paul Strangman Cadbury, only son of Mr. Barrow Cadbury (Cadbury Bros., Ltd.), to Rachel Eveline, youngest daughter of Mr. G. Edward Wilson, Park Hall, Kidderminster.

CATTO—MATTHEWS.—At Leytonstone Congregational Church, on June 23, by the Rev. A. H. Lemon, Alexander Catto, chemist, Ilford, to Nora, fourth daughter of the late Mr. J. H. Matthews and of Mrs. Matthews, Lyncroft, Leytonstone, and Windyhaugh, Frinton-on-Sea.

CREASEY—BROWN.—At St. Michael's Church, Coningsby, on June 18, Alfred Creasey to Ellen Frances, elder daughter of the late Mr. Leonard H. Brown, chemist and druggist.

SEATON—PLENDERLEITH.—At St. Andrew's Church, Calcutta, on May 18, James Seaton, chemist and druggist, Darjeeling, to Fanny Donald, fourth daughter of Mr. Plenderleith, Warrender Park Road, Edinburgh.

Mr. Seaton, who is the Darjeeling manager to Smith, Stanistreet & Co., married his bride on the day of her arrival from Scotland. A dinner-party was subsequently given in honour of the event by Mr. D. S. Richmond, managing director of the company, Mr. H. W. Thomas (director) and several members of the staff being present.

Deaths.

DORMAN.—At Bombay, on May 25, Mr. William Dorman, third son of Mr. James Dorman, chemist, George Street, Stranraer.

FLETCHER.—At Sutton Coldfield, recently, Mr. Frank Fletcher, a director of Wyleys, Ltd., Coventry, aged seventy-seven. Prior to joining the directorate, Mr. Fletcher represented Wyleys, Ltd., for many years in the Midlands. He was actively interested in public affairs, and was a well-known figure in the commercial and political life of the district.

HUSKISSON.—At The Briary, Moss Lane, Pinner, on June 22, Mr. Henry Owen Huskisson, F.I.C., Ph.C., F.L.S. (H. O. Huskisson & Co., manufacturing chemists, Moon Street, Islington, London, N.1), aged ninety-one. Almost the whole of Mr. Huskisson's life was spent in the affairs of the well-known firm of which, by the death of his original partners, he became the sole proprietor. The business can be traced back to the seventeenth century, when Dr. Samuel Towers erected in Oxford Street, W. (then Oxford Road), one of the first laboratories set up in London for the manufacture of chemicals, which it had previously been the custom to prepare on the roofs of wholesale druggists' premises. In the following century the various products of the firm were made in Little Warner Street, Mount Pleasant, and in Maiden Lane, now part of the site of King's Cross Station. In 1807 George Towers (a relation of Samuel) took Samuel and Thomas Huskisson, his nephews, into partnership. Mr. H. O. Huskisson was the grandson of Samuel Huskisson, who in 1811 separated from his partners and opened premises in Swinton Street, N., where the firm remained until 1910. The history of H. O. Huskisson & Co. was given in fuller outline in *THE CHEMIST AND DRUGGIST*, II., 1913, p. 147, and in the issue of October 15, 1863, the house (then known as Huskisson & Sons) formed one of a series of famous manufacturing firms to which special articles by experts were devoted. A considerable part of the article in question was occupied with a descrip-

tion of processes for obtaining and purifying iodine—and it is of interest to record that resublimed iodine is still made at Moon Street. Mr. H. O. Huskisson was registered as a pharmaceutical chemist on July 6, 1853—on the same day as the late Mr. S. R. Atkins, who died (also at the age of ninety-one) last March. He entered his father's firm at an early age, and continued to visit the Moon Street works till a very recent period. Apart from business, he found recreation in books and antiquities; a curious and probably unique medicine-cabinet in his possession was described, with illustrations, in *THE CHEMIST AND DRUGGIST*, I., 1891, p. 424. It is understood that Mr. Huskisson had not been photographed for many years; but those who had transactions with him will retain a vivid impression of his delicate, old-world courtesy, the unvarying cut of his frock-coat, and the scrupulous polish of his written replies to inquiries. He retained the full possession of his faculties to the last, reading and conversing with unabated interest. He is survived by three daughters.

KENNY.—At 81 East Park Avenue, Hull, on June 11, Mr. Thomas Kenny, chemist and druggist, aged seventy-one.

KING.—At "Croyde," Brighton Road, Sutton, Surrey, on June 22, Mr. Walter Robert King, J.P., joint governing director of Typke & King, Ltd., manufacturing chemists, Crown Chemical Works, Mitcham, aged sixty-one. The early part of Mr. King's business life was spent with Burgoyne, Burbidges & Co., Ltd. In 1883 he began, in conjunction with Mr. P. G. W. Typke, the manufacture of indiarubber chemicals and rubber-substitutes. The business was converted into a limited company in 1906, and at the present time over 150 men are employed at the Mitcham works. Mr. King was Mayor of Southend-on-Sea in 1906-7, and again in 1909-10, and was a member of the Corporation of the borough for nearly fifteen years. He was placed on the Commission of the Peace in 1909, and since that year had also been chairman of the Victoria Hospital, Southend.

PAPPAZOGLOW.—The death occurred recently of M. Dontcho B. Pappazoglow, of Botu Pappazoglow & Co., otto of rose exporters, Kezanlik, Bulgaria, at the age of fifty.

PEEL.—At Armagh, recently, Mr. Josiah Peel, chemist and druggist. Mr. Peel conducted a successful business in Armagh for many years, retiring some ten years ago. He was one of the oldest inhabitants in the district, and was much respected.

SHARRAH.—On June 16, after a brief illness, Mr. Richard Sharrah, chemist and druggist, 25 Spencer Road, Wandsworth, London, S.W. 18, aged sixty-six. Mr. Sharrah's connection with Hearon, Squire & Francis (now merged in The British Drug Houses, Ltd.) extended over a period of nearly fifty years, during the greater part of which time he was one of their best-known representatives.

STONE.—At New York, on May 8, Mr. Clarence G. Stone, manager of the New York branch of the Lambert Pharmaceutical Co., St. Louis, aged sixty. Mr. Stone did much good work for the National Wholesale Druggists' Association and the Proprietary Association.

STRATFORD.—On May 31, Mr. Alfred Joseph Stratford, chemist and druggist, Hunton Bridge, King's Langley, aged sixty-nine.

WALKER.—At "The Marlborough," 57 Lancaster Gate, London, W. 2, on June 20, Mr. Henry Walker, publisher of *THE CHEMIST AND DRUGGIST*, aged seventy-three. Mr. Walker had attended business up to within three weeks ago, when he was laid up with inflammation of the kidneys from which he succumbed—dying in his sleep last Friday morning. He was born in London on July 2, 1845, and after a short time with Cassell, Petter & Galpin, Belle Sauvage Yard, E.C., came to the *C. & D.* office in the capacity of a junior clerk. The first publisher of *THE CHEMIST AND DRUGGIST* was Mr. James Firth, who was in the employment of the proprietors when the paper was started. He retired from the position in 1866, and was succeeded by Mr. William Canning, a chemist and druggist, who did not retain the position long, being

replaced in February 1868 by Mr. A. C. Wootton, Ph.C., who subsequently became Editor. When Mr. Wootton took over the editorship he was succeeded by Mr. Walker in 1871, so that at the time of his death Mr. Walker had been at the *C. & D.* office for fifty-six years, forty-eight of which had been spent as publisher. He thus became connected with the paper four years after its inception, and died in the year of the diamond jubilee of the journal. His first independent publishing effort was in connection with the sale of a sixpenny pamphlet entitled "Exeter Change for the British Lions," which was produced by Mr. Jack Brough (Editor of *THE CHEMIST AND DRUGGIST*, 1860-70), Mr. Henry Brady, and Mr. Michael Carteghe for the meeting of the British Association and the British Pharmaceutical Conference at Bath in 1869. Mr. Walker organised the local sale of the pamphlet, which incidentally helped the newly established British Pharmaceutical Conference by closely associating it with the British Association. When Mr. Walker took up his work as publisher of the *C. & D.*, our Exchange Column was started. At that time it was printed in the literary pages, but when the Coloured Supplement was arranged for advertisements of situations, etc., this feature was transferred to it. Mr. Walker also carried out the idea of a distinctive cover for the *C. & D.*, which before that time was printed on white paper. The salmon-coloured cover gave a



MR. HENRY WALKER.

distinctive character to the journal, and led up to the elaborate designs employed on covers of the Winter and Summer Issues. The cover of the Summer Issue of 1897 was unique as the largest commercial specimen of three-colour process work which had been produced up to that time. The development of the system of Insets, which up till recently was a feature of *THE CHEMIST AND DRUGGIST*, was largely due to Mr. Walker. In 1913, on the completion of his fiftieth year with the firm, the proprietors entertained Mr. Walker and the rest of the staff to dinner, and presented him with a silver tea and coffee service with tray, thus testifying to the esteem in which he was held. Mr. Walker was a persuasive and forceful personality, and although he had outlived most of his contemporaries, and was handicapped by increasing deafness, he had many friends in the drug-trade, especially among those connected with the advertising departments of business houses appealing to chemists. He leaves a widow and a son and daughter. His son (Dr. H. J. D. Walker) is a medical practitioner at Dormansland, near East Grinstead. The funeral took place at Dormansland on June 23, representatives of the firm and staff of the *C. & D.* being present.

Personalities.

MR. W. J. BARNES, chemist and druggist, Dover, has been appointed a representative of the borough on the Harbour Board.

At a recent examination at St. Paul's School, London, W., Wilfred H. Owles, son of Mr. D. H. Owles, chemist and druggist (proprietor of Faulkner & Co., 173 Lad-broke Grove), gained a four-years' Foundation Scholarship.

MR. C. GOODE, chemist and druggist, Poplar, E. 14, has been officially put forward by the Essex County Association as a candidate for the Local Associations Executive election, but now finds that, through extra business responsibilities, he will be unable to stand for election.

MR. ALFRED MILLNER, 12 Muncaster Road, Clapham Common, London, S.W. 11, is resigning his position with Sangers, Euston Road, N.W., after twenty-five years' service, and from July 1 will be on the representative staff of S. Maw, Son & Sons, Ltd., Aldersgate Street, E.C.

MAJOR STANLEY A. TRICK, son of Mr. W. B. Trick, J.P., chemist and druggist (Lewis and Burrows, Ltd.), has been the recipient, on demobilisation, of a silver salver inscribed with the regimental badge and the names of his brother officers of the 6th Battalion West India Regiment.

At Brill's Baths, Brighton, on June 20, Arthur H. Cox, jun., son of the chairman and managing director of Arthur H. Cox & Co., Ltd., was engaged in a swimming-match, Brighton v. Cambridge University. In the 60-yards race, A. H. Cox, jun., who is just eighteen years of age, was beaten by a "touch" by Cambridge's fastest swimmer—and the rest of the contestants in both teams were "nowhere."

MR. T. C. ATKINSON, chemist and druggist, the new President of the York and District Chemists' Association, has been elected to the position after serving the Association in the capacity of secretary for fourteen years. Now a director of Bleasdale, Ltd., wholesale druggists, Colliergate, York, his varied experience of retail pharmacy, hospital routine (at St. Bartholomew's, London), and wholesale processes with Herring & Co., happily fitted him to run an Association successfully. He is a Yorkshireman, and served his apprenticeship with Parkinson & Son, Driffield. Nearly twenty years ago he returned to the old county and joined the company of which he is now a director. He rejuvenated the local Association, and has been untiring in creating and maintaining the concord and good feeling existing in York.

MR. ERNEST PRESTON, Ph.C., who has been elected President of the Sheffield Pharmaceutical and Chemical Society, is the second son of Mr. Job Preston, chemist and druggist, Barker's Pool, one of the first Presidents of the Society and still an active member. The new President was born thirty-two years ago. He was educated at King Edward's School, Sheffield, and, after serving his apprenticeship with his father, continued his studies at the Bloomsbury Square School of Pharmacy, passing the Qualifying examination in 1910 and the Major in the following year. Mr. Preston is lecturer in chemistry, materia medica, and pharmacy for the Sheffield Education Committee. He has been a very successful secretary of the local Society, and was recently elected a sub-secretary for central Sheffield—a position similar to that of the old divisional secretary. Valuable assistance was rendered by him in connection with the establishment of the North-East Midland Pricing Bureau. Like his father, he is full of fight for the rights of pharmacists.



MR. ERNEST PRESTON, Ph.C.

An Old Friendship Dinner.

AN interesting event took place on June 24, when some twenty past officials and members of the London Chemists' Assistants' Association were invited by Sir Richard Winfrey, M.P., to dine with him at the House of Commons. Most of the guests had been members when Sir Richard was President in 1884 and 1885, and several had not met for over thirty years. Mr. W. Uglow Woolcock, M.P., was also present. The dinner was held in a room adjoining the terrace. The company included:—

F. H. Allcock, F.I.C., Birmingham, Member of Council, 1884.

E. Baily, Ramsgate, Hon. Secretary, 1884.

F. E. Bilson, Bournemouth, Member, 1884.

F. C. J. Bird, London, E., Member of Council, 1886.

F. W. Branson, F.I.C., F.C.S., Leeds, President, 1880 and 1881.

J. F. Burnett, Preston, Vice-President, 1887.

W. Temple Cooper, Wealdstone, Hon. Secretary, 1884.

F. W. Crossley-Holland, F.C.S., Leighton Buzzard, last pre-war President.

A. A. Deck, Cambridge, Member of Council, 1885.

T. S. Dymond, F.I.C., F.C.S., Bedford, President, 1888.

T. A. Ellwood, M.R.C.S., etc., London, N., President, 1890.

E. H. Farr, F.C.S., Uckfield, Hon. Secretary, 1887.

J. Hills Hartridge, Chester, Hon. Secretary, 1881; Treasurer, 1884.

E. J. Millard, F.C.S., F.R.M.S., London, E.C., President, 1889.

S. W. Ord, London, W., Member, 1884.

A. J. Phillips, London, S.W., Vice-President, 1888.

W. Rushton, L.D.S., London, W., Hon. Secretary, 1886.

J. E. Saul, F.I.C., London, W., Vice-President, 1888.

A. C. Stark, M.B. Lond., Wanstead Park, President, 1891.

A. G. Worsley, London, Member of Council, 1886.

During the evening Mr. F. W. Branson, Senior Past-President, proposed the toast of the health of Sir Richard Winfrey, which was seconded by Mr. E. J. Millard and Sir Richard replied. Reminiscences were invited, and practically every one of the company responded, and throughout the speeches it was evident that the delightful reunion so happily conceived and carried out by Sir Richard in his own charming manner would never be forgotten by those who attended.

Trade-marks Applied for.

The figures in parentheses refer to the classes in which the marks are grouped, for a list of which, with particulars as to registration, see "The Chemist and Druggist Diary," 1917, p. 220.

(From "The Trade-marks Journal," June 11, 1919.)

"VOICELET BRAND MEDICATED LOZENGES," "VOCALOID BRAND MEDICATED LOZENGES"; for medicated lozenges (3). By Boot's Pure Drug Co., Ltd., 37 Station Street, Nottingham. 386,832; 387,038.

"CINNAFORM BRAND MEDICATED PASTILLES"; for medicated pastilles, etc. (3). By National Drug and Chemical Co. of Canada, Ltd., 32 St. Gabriel Street, Montreal, Canada. 386,980.

"VIRGINEX BRAND MEDICINAL TABLETS"; for medicinal tablets (3). By Ash & Gibian, 77a Fetter Lane, London, E.C. 4. 389,792.

"CROCORN"; for corn remedies, etc. (3). By J. Duff, 31 Strathmartine Road, Dundee. 389,873.

"GENIE"; for all goods (3). By Texalo Manufacturing Co., 3 Nelson Road, South Shore, Blackpool. 389,936.

"NEWMAN'S 'FORT'; A LIQUEUR TONIC," etc., with device of fruit in wineglass ("Newman's" disclaimed); for a beverage (42). By H. & C. Newman, 41 Upper Rathbone Place, London, W. 1. 389,592. (Associated.)

"DINITY"; for food substances (42). By R. N. Tilley, 8 Clarence Street, Humberstone Gate, Leicester. 389,614.

"GLADYS"; for food substances (42). By Cooper & Co., 8-33 Howard Street, Glasgow. 389,851. (Associated.)

"MEVEL"; for food substances (42). By Excel Co., Ltd., 7 Russell Gardens, Kensington, W. 14. 390,193.

"BONOX"; for food substances (42). By F. Walker, 376 Flinders Street, Melbourne, Australia. 390,641.

"CARRY ON, COOK"; for food substances (42). By J. W. B. Godfree, 5 Bull Ring, Birmingham. 390,744.

Trade Notes.

C. J. HEWLETT & SON, LTD., 35 to 42 Charlotte Street, London, E.C. 2, announce that their premises are closed on June 28, the day of the annual outing of the staff.

AERATORS, LTD., Edmonton, N. 18, are offering 2s. 6d. each for "pure aeration supply" syphons, in no matter what condition so long as the vases are not cracked or starved.

ODO-RO-NO, a toilet water for correcting excessive perspiration, is obtainable in this country from the American Drug Supply Co., 6 Northumberland Avenue, London, W.C. 2.

POUDRE IMPERIA COMPACTE.—The Empire Perfumery Co., Oldbury, give in their advertisement an illustration of the new showcard which they are sending out with poudre Imperia compacte. The hint to retailers which is also given is a good one.

PEARS' SOAP.—A. & F. Pears, Ltd., referring to their advertisement in the C. & D. of June 21, ask us to call attention to the fact that it was there stated that Pears' soap was being sold at "face value." This statement was inadvertently allowed to remain, and does not apply now that the price is raised to 6½d., but all other sizes of Pears' transparent soap remain at the usual prices.

MERCURY ATOMYLATE CREAM.—The difficulty in obtaining mercury atomylate having been overcome, Oppenheimer, Son & Co., Ltd., 179 Queen Victoria Street, London, E.C., are now able to supply mercury atomylate cream according to the formula of the late Surgeon-Col. F. L. Lambkin. The cream, which is used as an intramuscular injection in syphilis, is supplied in 1-oz. stoppered bottles or in aseptic form.

Information Department.

INFORMATION WANTED.

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

199/23. "Salicylated paper" for use in jam preserving	196/4. "Mereurophen"
199/31. Leodeward's pills	198/52. "Rock-a-bye" soothers
198/42. "Wehytin" or "Wehyten" capsules	200/51. Harris's magnetic belt
198/60. "Hydrolysin"	198/52. Sutton's chlorodyne
197/28. "Kelpion" products; makers	200/60. "Klingfast"
197/29. "Zynthoid compound" capsules	200/23. "Carbolineum plan-tarium"; suppliers
	200/62. Lig. alkasept.
	200/62. Yusul Goul (Indian remedy for dysentery)

INFORMATION SUPPLIED.

Inquiries regarding the following articles have been answered. The information as to supply will be given to others who send a stamped, addressed envelope to the Information Department, THE CHEMIST AND DRUGGIST, 42 Cannon Street, London, E.C. 4:

Aerosyl, 187/6	"Nujol," 108/36
"Aletris cordial," 176/7	"Numol," 121/23
"Alleneo" preparations, 186/16	"Nuvité," 149/1
Bismulait, 184/20	Optical accessories, 180/38
Cachet apparatus, 178/55	"Palmolive," 114/55 and 119/69
Cachets (French makers), 175/4	Pastille-making machinery, 111/22
Carter's liver pills, 168/52	Pearlashes, 76/19
"Dorina" powder (agents), 97/57	Radium water, 95/16
Dorin's preparations (agents), 120/48	Rankin's head ointment, 119/69
"Do-well" feeding bottle, 119/69	"Ratin," 68/7
Elliman's embrocation, 182/39	Rubber-powder blower, makers, 99/29
Emerson's Bromo-seltzer, 128/67	Seltzogenes, 189/45
Ginger root, 179/3	Silver nitrate, 173/46
Hæmaboloids, 157/23	Theobromine soda salicylate, 122/49
Hearn's bronchitis cure, 184/1	"Torniquet" brand fine glass-ware, 109/41
"Hedysia" perfume, 157/26	"Tudor Roses" perfumery, 185/54
"Ibogaine," 128/39 and 157/32	Ung. sedresol, 176/35
Insecticides (Duteh inquiry), 177/64	Urates, 167/30
"Isola" vacuum flask, 167/9	Vacuum flasks, 150/63
"Jardox" beef extract, 149/16	Water glass, 121/6
Jayne's liniment, 152/33	Watson's castor-oil pills, 17/44
Jicky's perfume, 153/6	and 186/69
Laville's gout remedy, 183/68	Wells' "Rough on Rats," 151/14
Magnesite, 185/59	Yohimbine, 183/2
Magnesium sulphate (Belgian inquiry), 158/44	"Zon-Vac" vacuum flask, 167/9

Observations and Reflections.

By Xrayser II.

Peace

will, I hope, be signed before these words appear. It is by no means certain, and there are some who say that it matters little whether it is or not, but I cannot hold that view. Naturally, at such a time one looks back at the course of the war, and tries to reap what lessons one can from it. In particular we chemists should ask ourselves how we have come out of it. We have not, perhaps, suffered as much as some trades, but we have suffered enough. Are we the better or the worse for it? On the whole, I believe we are the better. Business has not been, could not be, "as usual" while we were engaged in a life-and-death struggle with a cruel and unscrupulous enemy. We have come safely out of it; even those of us (if there are any) who can only say with the *émigré* who was asked what he had done in the Revolution, "I survived," have much to be thankful for; but most of us have in one way or other done much more than that. The result, I believe, is that we have been drawn closer together; we have realised as never before that no man lives entirely to himself. Let us cherish that feeling, let us be prepared for mutual sacrifice and mutual help, not, indeed, sacrificing our principles, but ready to give up our prejudices and to consider the interests of others along with our own.

The Special General Meeting

to decide the fate of the new by-law is to be, I notice, at the Memorial Hall, Farringdon Street, London, on July 2. It is also announced that a private meeting to hear arguments for and against the by-law will precede this in the same place. It would almost appear as if arguments were not to be allowed at the public (the general) meeting, but this surely cannot be the case. Why, then, the private meeting before it? It is fair to suppose that this can only be attended by persons who are specially invited, as otherwise it would be as much a public meeting as the other. Is it unfair to suppose, further, that the persons invited will consist mainly of those whose opinions are known beforehand? In any case this will be a packed meeting, and from what we know of the Council's proceedings it is impossible not to suspect that it will be a meeting of those who are thought to be in favour of the by-law. They will meet to marshal their forces and arrange their "arguments." The latter process will not be a long job, for the only argument anybody has yet discovered is that we cannot help ourselves, and this, having been shown to be a fallacy, is not true argument. How large this private meeting will be I don't know, nor do I know the capacity of the hall, but these invited gentlemen will be the first on the premises, in possession of a good many of the seats, and will thus make it impossible for the general meeting to be fairly representative of the opinion of the members. In other words, the general meeting itself will to a considerable extent be packed. I hope that a sufficient number of independents will turn up to make such a farce impossible.

"The Welsh Wizard"

is evidently possessed of some magical or magnetic power (the two words were once identical in meaning), and indeed the amusing letter of your correspondent, "Glasgow," proves it. Certainly it was not the cogency of Sir William's argument that carried his audience with him; it must have been a touch of the Welsh *hwyl*, so familiar at revival and other emotional meetings, which, however excellent its effect there, is quite out of place in a business address. Sir William's argument was almost self-contradictory, and could hardly have been accepted by a Scottish audience if he had not played upon their feelings. He said, for instance, that it is impossible to distinguish between those powers and functions of the Society which may be called professional, and those we usually call trade, and that in one respect only did he see any impossibility of the Society's accom-

plishing what the Federation desired. This is the maintenance of a fixed standard of price. But he had spoken just before of those "published objects" (in the plural) of the Federation "which are not within the charter objects and powers of the Society." He may not have used exactly these words, for yours does not profess to be a verbatim report, but he mentioned several Federation objects which are not charter objects, and gave them as a reason for seeking them in connection with the Society. It is the conflict, or, rather, the difference (for with two societies there need be no conflict) between these objects, and the professed inability of the Society to attain those that the Federation is most anxious to secure, that is the ground for setting up a Federation. They may not be attainable (as Sir William seems to think), but the Federation would at least try to attain them and the Society will not. Moreover, the Federationists can "differentiate" between trade and professional objects, and have here an advantage over the Society, which cannot.

The Financial Difficulty

to which you refer in your article on the Scottish Federation has more than one aspect. It is a difficulty in the way not only of the maintenance of such a Federation but of the Society's recognition of it, for probably a good deal of the support the Society now receives from Scottish pharmacists would be diverted to the new Federation. So, too, in England; if we had two societies, one looking after our professional and the other after our trade interests, it is pretty certain that the trade society would have a considerable pull over the other as regards financial support. The existing Society cannot be expected to ignore such a fact as this, and it is reasonable enough why it should welcome a revision of the old opinion that it is itself legally incompetent to look after trade affairs. It is certain that these have got to be looked after by somebody better than they have been in the past. The Society's failure in this respect may be largely due to its conviction of its legal incompetence, but it is not due to that alone, nor have we any reassurance that legal competence, if established, would carry general competence with it—indeed, we have good reason to fear it would not while the constitution of the Society remains what it is.

The Basis of Dispensing Charges

has often been discussed, and the question has been narrowed to this—ought it to be the cost of the ingredients or the quantity, that is to say, the number of doses? I have recently given my reasons for preferring the latter plan, and I am glad to find that, although I did not know it at the time, I have the support of my predecessor, "Xrayser I." in the view I took. So long ago as 1872 the subject was discussed as part of that of the possibility of increasing our profits, not on dispensing only but all round. The two bases were contrasted, cost and quantity, or, as it was termed, the German and the English plan, and a preference expressed for the latter (the charge per dose), as being more satisfactory both to the chemist and to his customer. The "German" plan was objected to not because it was German (we were, if anything, rather too complaisant to Germans in those days), but as "assuming the art of dispensing to be a purely mechanical one." Its complexity might also have been considered, and many other drawbacks, but though it was pronounced "commercially sound," it does not seem to have been regarded with any more favour on that account. We are, and ought to be, something more than commercial men. It is impossible to adhere quite strictly to a system, and under no system would our charges ever be uniform.

I Strongly Advise

proprietors of private pharmacy schools to furnish the particulars required by the Board of Education, since they are not specifically exempted, and it seems clear from exemptions (4) and (6) that it is not only schools whose scholars are of what we usually call "school age" to which the requirement applies. It is difficult to see how a school could suffer from over-zeal in such a matter; indeed, the being recognised by Government should tend to give it a better standing.

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CANDLES, NIGHT LIGHTS, Etc.

WRITE DIRECT FOR PRICE LIST, or, for London and District, to
R. W. PHILLIPS,
Craven House, Kingsway, London, W.C. 2 Tel.: Gerrard 1774.

Bye-law Protest Committee.

Hon. Sec.: HUBERT B. FIGG, M.P.S.
32 Antill Road, Bow, E. 3

Attend at THE MEMORIAL HALL,
FARRINGDON ST., E.C. (Ludgate Circus
End), on WEDNESDAY, JULY 2, not
later than 3.15 p.m.,

as at that time the bye-law comes up for acceptance,
and you must be there to defeat it.

Vote against THE BYE-LAW.

For reasons see the back page of the
SUPPLEMENT.

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taken in warm milk or water will speedily cure or
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are standardised and therefore always to be relied
upon, and official preparations made from them, fulfil
all the requirements of the British Pharmacopœia.

Editorial Articles.

The By-law Meeting.

WHAT is likely to be the largest meeting of members of the Pharmaceutical Society on record is to take place at the Memorial Hall, Farringdon Street, London, E.C., on July 2. This is the general meeting which has been called to confirm or reject the proposed by-law "enabling certain holders of the Apothecaries' Assistants' Certificates who satisfy the Council that they are persons of sufficient skill and knowledge to be so registered, to be registered as chemists and druggists without examination." This is the official way of announcing the most shameful proposal ever placed before the members of the Society by the Council which is supposed to guide them. The Council propose to be "satisfied" with evidence of "skill and knowledge" which is wholly insufficient for those who propose to carry on the business of chemists and druggists. The activity of the Bye-law Protest Committee has caused consternation at Bloomsbury Square, and a hastily-produced circular has been sent to all the members, in which the following occurs:—

It has come to the knowledge of the Council that an organised attempt is being made to pledge members to attend that meeting, and in any event to defeat the by-law. The Council consider that the issue will be so great and fraught with such importance for the future of pharmacy that the members of the Society should not let the matter be decided by a small meeting consisting of those who, previously to attending the meeting, have been pledged to a definite course of action.

Apparently the official view is that it is wrong to use all legitimate efforts to defeat such an unjust by-law as

that which the Council wish the members to confirm, and, according to the circular, members ought not to make up their minds before going to the meeting. It is proposed to hold a private meeting before the statutory meeting, with the hope that by eloquent appeals on sentimental grounds members may be induced to vote for the confirmation of the by-law. To our mind, such a proceeding is unworthy of the Pharmaceutical Society, which has no right to employ arguments which it is ashamed to use in public. Arguments are only made in secret because if known publicly they would be refuted. The statutory general meeting is to be held at 5.30 p.m., and members should be there at least a quarter of an hour beforehand. **Members must defeat the by-law at all costs or irreparable damage will be done to pharmacy.** Those who want further arguments to enable them to make up their minds to vote against the confirmation of this unjust by-law should send a stamped addressed envelope to Mr. Hugo Wolff, 21 Hart Grove, Ealing Common, London, W. 5, for a copy of "Square Topics," which has just been published. Mr. Wolff voted for the first reading of the by-law, but, owing to the very unsatisfactory explanations which he received to his inquiries on doubtful points, he is now an uncompromising opponent. He states:—

Nothing worse can happen for pharmacy as a profession than that our qualification should be diluted by registering as chemists and druggists persons who have satisfied no adequate test of their ability and skill. If we resist the present proposal to admit them to the Register the Privy Council can only get them in by force, and that force must be exacted through the House of Commons, where we can put up a clean and straight fight, and show that the qualification of apothecaries' assistants is in no degree comparable to ours. If the House of Commons let us down we can fight further in the House of Lords; and, if beaten in the end, we shall then be no worse off than if we now submit to the dictation of that autocratic anachronism, the Privy Council, while we shall have the supreme satisfaction of knowing that we only yielded to superior force, exerted without due regard for the safety of the public.

Members should also read the letters which we publish in our correspondence column, bearing in mind that once the principle of admitting unqualified persons to the Register of Chemists and Druggists is conceded the whole value of the qualification is gone—it will never be recovered, and must inevitably lead to the admission to the Register of further groups of unexamined persons. These may not be few in number, as there are thousands of "military dispensers" and drug-store proprietors ready to push their claims so soon as the door is opened a little way.

Recontrolled Oils and Fats.

Owing to the excessive rise in the price of certain oils and fats and in order to limit speculative sales and purchases of raw materials, the Food Controller has made an Order restricting dealings in certain scheduled seeds, oils, and fats to persons licensed by the Ministry of Food. The Order will come into operation on June 23. The articles at present scheduled are: Copra, cottonseed, ground nuts, palm kernels, coconut oil, cottonseed oil, ground-nut oil, palm-kernel oil, soya oil, premier jus, oleo oil, neutral lard, linseed oil, and linseed. Applications for licences should be made to the Director of Oils and Fats, New County Hall, Lambeth, S.E. 1, who has already circulated an explanatory memorandum to the trades concerned.

The above Order was not unexpected. It is due to the fact that advantage had been taken by dealers and speculators to indulge in a gamble in vegetable oils and kindred substances, many of which showed a serious scarcity, the result being that the sorely tried legitimate trade buyers were driven off the market. When the authorities made up their minds, somewhat prematurely, to free the markets entirely from all restrictions, a note of warning was already sounded by the Crushers' Advisory Committee that such a procedure would induce outside speculators to manoeuvre prices for their own benefit, regardless of trade requirements of an urgent character. In the light of such warning from the direct representatives of

the industry, it seems a great pity that the action taken was so unduly deferred until prices reached a formidable level, and thus added difficulties to an already strained situation. Of course this action, though coming after the mischief has been done, is nevertheless welcome to home manufacturers, who have had to contend with almost insuperable obstacles in securing small lots of oils at extremely high prices for spot delivery, particularly linseed-oil and cotton-oil. Foreseeing this, the wily speculator naturally saw his chance of snatching a substantial profit, and it is to be hoped that steps will shortly be taken to liberate quantities that may have been taken up by speculators. A free open market could have been sanctioned by the authorities on the condition that legitimate business be carried on, while limiting trading to spot-delivery and dealings for a month or so ahead, in order to facilitate manufacturers covering themselves as far as possible against their current contracts or prospective requirements. The entire elimination of the speculative facilities that were thoughtlessly afforded to outsiders should eventually have the effect of bringing about a more sober level of values, although it is fully recognised that during the present continuous scarcity the market cannot be rectified to any great extent yet awhile. Had an official maximum price been fixed several weeks ago, when the position already threatened to become desperate, the predicament in which consumers now find themselves would not be anything like what it now is; while it is obvious that adequate relief is chiefly dependent on increased operations by crushers or more liberal arrivals of seed taking place. The outlook in the latter respect is not as yet promising, as the receipts threaten to continue rather small, both from India and the River Plate, in the case of linseed. Conditions in shipping have undoubtedly become more stringent. Until matters can be sufficiently restored to permit of urgent trade needs to be dealt with on a more adequate scale, the policy of resorting to a system of trade licences, and to guard against business being transacted except through recognised dealers, would seem to be well advised. A glance at our Board of Trade Returns for last month reveals the fact that the total exports of seed-oils were no less than 12,902 tons, compared with practically nil in the same month last year, making an aggregate of close on 20,000 tons for the five months (January-May), more than half of which represented linseed oil. It seems curious why the authorities did not place an embargo or temporary restriction on such a continuous drain, more especially to countries adjacent to Germany, until home needs were more adequately protected. This export-business early in the spring aroused a good deal of criticism in trade circles incidental to the sales of stocks that were under control, for which the price of 75*l.* a ton was secured, while the home maximum price was reduced to 58*l.* It is true that licences were then issued only against approved destinations. Evidently the authorities placed recently too much reliance on the receipt of more regular shipments of seed, but the fact remains that the crushers' output for the present cannot be sufficiently enlarged to lead to a freer supply of oil-products at a time when the demand is becoming imperative, so that there is no reason why home needs should not be first seen to ere Continental demands are considered. The linseed market is very firm, and, although Argentina is credited with retaining a surplus of 200,000 tons, part of which will doubtless go to the United States, it may be pointed out that the Indian yield this season will fall seriously short of the normal.

Materia Medica in Figures.

An excellent index of the popularity, or otherwise, of the various therapeutic agents employed in medicine is afforded by a contribution by L. Grimbert to the "Journal de Pharmacie et de Chimie," in which he records the fluctuations which have taken place in the use of the principal remedial agents during the ten years from 1907 to 1917. His figures are based on documents provided by the central pharmacy for the supply of the Paris hospitals. Incidentally they afford an insight into the

present position of *materia medica* in French medicine, as in these hospitals the French doctors gain their practical experience. It would be interesting to contrast these results with similar statistics from British institutions, in order to compare the relative position of *materia medica* in both countries, but the figures are not available. The use of the "classical" preparations, such as powdered rhubarb, senna leaves, magnesium sulphate, sodium sulphate, sodium bicarbonate, calcined magnesia, bismuth subnitrate, sodium salicylate, silver nitrate, kermès minéral, and antimony oxide, shows no variation during the past twenty years. Then follows a group of remedies the use of which was constant for a long time, but has steadily decreased during the past years. Opium is case in point. From 1860 to 1900 double the quantity was used annually compared with the average during the ten years under review (100 k. per annum). Cinchona wine shows a decrease from 27,000 litres in 1900 to 4,000 litres; spirit of camphor from 37,000 litres in 1900 to 20,000 in 1906—a figure which has since remained unchanged. The use of potassium iodide fell from 1,200 k. in 1896 to 350 k. in 1916. Other preparations, the use of which has fallen to half the former figures, include: Potassium bromide, potassium chlorate, citric acid, glycerin, mercurial ointment, cod-liver oil, lead plaster, and cinchona extract. Among the preparations the use of which exhibits an upward tendency are sodium benzoate and calcium phosphate, from 120 to 470, and 140 to 500 k. respectively since 1900. Iodo-tannic syrup shows an increase from 6,500 k. in 1900 to 28,000 k. in 1916. With regard to the alkaloids, we notice that during the past twenty years the annual consumption of the hospitals amounts to 20 k. of morphine hydrochloride, and 10 k. of cocaine hydrochloride. Quinine sulphate fell from 80 k. in 1896 to 45 k., the figure at which it stood forty years ago. Caffeine has dropped from 40 k. in 1896 to 15 k. On the other hand theobromine shows a constant increase in favour, rising from 28 k. in 1896 to 112 k. in 1906, and to 175 k. in 1914. Codeine, too, has slowly risen during the past ten years, from 30 to 40 k. Stovaine, introduced in 1904, figures with an annual average of 1 k., while novocain, first employed in 1908—a purchase of 45 grams—has remained at 3 k. since 1912. The use of ether has increased from 700 k. in 1907 to 1,900 k. in 1914, while the quantity of chloroform shows practically no variation. Among the antipyretics, pyramidon remains fairly constant (70 k.), while antipyrin has steadily decreased, from 250 to 140 k., and the use of aspirin has increased from 140 to 415 k. Of the well-known antiseptics, corrosive sublimate, boric acid, potassium permanganate, phenol, mercuric iodide, salol, and iodoform all show a remarkable decline in use, while formaldehyde has increased from 2,000 to 15,000 k., which is explained by its use for disinfecting bedding and clothing. The vogue of hydrogen peroxide solution is passing, from an annual consumption of 102,000 litres in 1906 it increased to 143,000 litres in 1909, to fall gradually to 112,000 litres in 1914. Among the newer remedies, the use of which has steadily gained in favour, may be cited urotropin, veronal, collargol, and protargol; while sulphonal and trional have shown a steady decrease. Salvarsan was first employed in the hospitals in 1911, in which year 9,876 doses were delivered, increasing to 12,259 doses in 1913. In 1912 neosalvarsan made its appearance, and soon supplanted salvarsan, the consumption rising from 8,432 doses in 1912 to 129,130 doses in 1918. The amount of rum rose to 66,200 litres in 1900, fell to 27,400 litres in 1906, then increased gradually to 42,000 litres in 1912, again to drop steadily to only 11,000 litres in 1916. In 1913 5,600 k. of tea was purchased, and 26,000 k. of glycyrrhiza root.

The Deptford Case.

WE continue to receive newspaper cuttings referring to the Deptford doctor's and coroner's mis-statements regarding the conditions of the supply of medicine by chemists to panel patients. The newspaper comments are mostly made by people who take the reports of the case as being statements of fact and hence valueless. Nevertheless, much harm is done to chemists in general by such com-

ments. Mr. Tocher's letter (*C. & D.*, June 21, p. 47) is the answer which chemists should make to the doctor's and coroner's charges. Some chemists have answered the allegations by means of letters to the papers, but unfortunately the harm is already done.

British Pharmaceutical Conference.

MESSRS. HORACE FINNEMORE (7 Cowper Street, Finsbury, London, E.C.2) and Reginald R. Bennett (22-30 Graham Street, City Road, London, N.1), joint honorary secretaries of the British Pharmaceutical Conference, ask that members who propose making scientific communications to the Conference will send the titles of their papers by July 1, and their MSS. in triplicate, if possible, at least fourteen days before the date of the meeting. Mr. W. Kirkby, M.Sc., will deliver the Presidential address in the lecture theatre at 17 Bloomsbury Square, W.C., on July 22, at 10 A.M., after which the science papers will be discussed, the afternoon being devoted to the Practice Section. On the Wednesday also the science papers will be read in the morning, and in the afternoon the meetings of the Practice Section will take place. Applications for tickets for the social functions should be made not later than July 1.

Patent-medicine Law in Canada.

THE Bill to amend the Proprietary or Patent Medicine Act, which we referred to last week (p. 62) as before the Canadian Senate, emerged from that House with several alterations. Section 3, which we quoted, was amended so that all that is necessary is for the manufacturer or his agent, at the time of applying for registration, to make declaration under oath to the amount of alcohol over $2\frac{1}{2}$ per cent. in any preparation, or the amount of any of the drugs mentioned in the schedule. The disclosure of formulas was not required. The Bill as amended came before the House again on May 16, and met with considerable opposition from Government officials who are medical men. In the circumstances the Bill was withdrawn and a Committee appointed to consider the whole subject. It is astonishing that in this, as in other instances, the medical "stunt" in requiring formula disclosure is not detected sooner by the non-medical members of Parliament. The object of the doctors is to make it difficult for the public to obtain packed medicines, and so compel people to pay fees to medical practitioners.

German Competition.

ELSEWHERE in this issue we print part of a report on the German chemical factories which was made by American delegates with the Inter-Allied Commission. The Commission was required to report on the facilities which exist at the various factories for the manufacture of poison-gas in warfare, and it will probably be necessary during the whole of the period of the occupation of Germany by the Allies for representatives of the Allies to be present at the factories so as to control the German propensity for using this chemical plant for the manufacture of forbidden munitions of war. It will be noticed that Major Still states that the Badische Anilin und Soda Fabrik has a large stock of dyes ready for flooding the market so soon as the Peace Treaty is operative. France and the United Kingdom have taken steps to control the entry of German dyes by a system of licensing, but this will not prevent the importation of the by-products, which are not dyes and are used in medicine. It will be news to many that the plant is in such good condition, notwithstanding the severe destruction caused by the Independent Air Force. Many new plants have been built for explosives and poison-gas and existing ones enlarged, all these being designed and built with the idea that they could be readily modified to meet peace-time requirements. Major Pope, who was also a member of the Commission, warns American manufacturers of the determination of Germany to get back her lost chemical business, for which purpose the necessary plant and staff exist. He urges the people of the United States to give the home industry every opportunity to develop, and so not only to prevent the supremacy of Germany in fine chemicals, but to have ready at hand an efficient defence against aggression.

An Open Letter to the Council of the Pharmaceutical Society.

YOUR recommendation to the members of a by-law that violates the first principles of pharmacy legislation, opens up the question of whether you realise fully the folly of admitting unqualified persons to the Register of Chemists and Druggists.

Do you not see that by opening the sluice-gate a little way to admit apothecaries' assistants, you are inviting the flood of "military dispensers" and drug-store proprietors to force you to admit them also to the Register without examination?

You propose to be "satisfied" as to the "skill and knowledge" of these apothecaries' assistants without requiring evidence that they are competent to conduct the "business of a chemist and druggist," particularly in regard to the storage and sale of poisons. Is this how you carry out your trust to chemists and to the public?

Do you realise the inconsistency of admitting unexamined persons to the Register of Chemists and Druggists and at the same time preparing regulations making the examinations more difficult for candidates who seek admission by straightforward methods?

Can you imagine the General Medical Council considering a suggestion to admit certain chemists to the Medical Register on the ground that they have for some years carried on counter prescribing? You would probably think the person who made such a suggestion had taken leave of his senses. Yet your proposal to place apothecaries' assistants on the Register of Chemists and Druggists at fourteen guineas apiece is just as monstrous.

You have sacrificed your right to initiate by-laws by accepting a by-law "arranged" at private meetings presided over by a representative of the Society of Apothecaries. You are going through the farce of reading this by-law three times, knowing that it does not represent the views of your constituents, and that it has already been approved by the Privy Council.

The members did not send you to Bloomsbury Square to act as lackeys to the Privy Council officials. You were sent there to use your own initiative and expert knowledge in pharmaceutical matters for the benefit of the public and of registered chemists.

You calculate that by "packing" the special general meeting of members you will be able to vote down the indignation of the trade, and by appealing to "loyalty" and false sentiment to carry your unjust by-law.

Further, you hope to get members to confirm the by-law by bringing in a mumbo-jumbo of secrecy and mystery, when straightforward statements in public are all that are needed in a just cause.

Have you not lost touch with the opinion of the trade you are supposed to represent? It is true you have been "carrying on" during the war, but that consisted mainly in putting off the consideration of the many reconstruction problems until you were forced to do so by outside influences.

Ask yourselves if you are true to the members who placed you in your present position, and to whom you have given no opportunity of expressing their opinion on this matter.

Do you want to go down to posterity as the Council which was false to its trust and betrayed those interests it was supposed to protect?

Do not be afraid at the eleventh hour of confessing that you have not considered fully the arguments against this unjust proposal, and remember that if the by-law in its present state is confirmed through your action, you will have done an injury to British pharmacy which can never be repaired.

Organising the Drug-trade.

Drug Union for Southampton.

AT A MEETING of retail and wholesale chemists' assistants held in Southampton on June 23, after addresses by Mr. Fred Hawkins (Organising Secretary of the Amalgamated Society of Pharmacists, Drug and Chemical Workers) and Mr. Last (National Association of Chemists' Assistants), it was decided, by a large majority, to form a local branch of the Amalgamated Society of Pharmacists, Drug and Chemical Workers.

London Drug Union Meeting.

A MEETING of managers and qualified assistants was held, under the auspices of the Amalgamated Society of Pharmacists, Drug and Chemical Workers, at the Progressive Pharmacy Club on June 20, Mr. Todd in the chair. Progress was made with regard to a schedule of salaries, and various matters were discussed. Indignation was expressed at the implied allegation as to the inadequacy of the pharmaceutical service at Deptford (*C. & D.*, June 21, p. 47), and protests were sent to the Pharmaceutical Society and to the Drug Union Executive.

N.A.C.A. Meetings.

THE FIRST DELEGATE Conference of the National Association of Chemists' Assistants was held at Manchester on June 11. Delegates from branch associations were present, and the draft constitution, which had been submitted to them, was amended and adopted. Reports from all centres showed good progress. The following officers were appointed; *President*, G. S. T. Livesey (Manchester); *Vice-President*, E. C. Last (London); *Treasurer*, J. Chambers (Leeds); *Hon. Secretary*, D. N. Fullerton.

At Bolton Mr. Livesey recently addressed the assistants engaged in the town pharmacies, and as a result it was decided to form a local branch of the National Association of Chemists' Assistants. The following officers were elected: *President*, Mr. Hewitt; *Secretary*, Mr. J. Hay; *Treasurer*, Mr. J. W. Butterworth; *Committee*, Miss Thompson, Mr. Allison, Mr. Salisbury, and Mr. G. Hough. Upwards of thirty members were enrolled.

At a Bristol meeting of the National Association of Chemists' Assistants, held on June 19, fifty-three ladies and gentlemen joined the Association. The following officers were elected: *Chairman*, Mr. A. W. Wills; *Vice-Chairman*, Mr. A. Reed; *Treasurer*, Mr. A. E. Chaplin; *Secretary*, Mr. E. J. Sharp; and a Committee of seven ladies and gentlemen. Pharmacists' assistants who are desirous of joining are requested to inform the Secretary.

Halifax employes held a meeting on June 23 to promote, if possible, the formation of an organisation for the assistants and apprentices in the district. Mr. G. S. T. Livesey, President of the National Association of Chemists' Assistants, addressed the meeting. It was decided to form a chemists' assistants' organisation, with the following officers: *Chairman*, Mr. Armitage; *Secretary*, Mr. H. Boardall; *Treasurer*, Mr. H. Orr; *Committee*, Miss Sucksmith, Messrs. E. Swire, I. Smith, J. Bottomley, and F. Thorpe. It was thought advisable to have a further meeting, and to give careful consideration to the claims of the National Association of Chemists' Assistants, as set forward by Mr. Livesey, before making a definite decision.

COCAINE AND BIGAMY.—In a recent case heard at the Central Criminal Court, the Recorder told a prisoner that it was no defence to a charge of bigamy to say that one was addicted to cocaine. The man thought, apparently, that it was.

Association Affairs.

C.D.A.—In the revised rules of the Chemists' Defence Association, which will be submitted to members at the annual meeting on July 10, several important alterations are shown. Previously only errors resulting in bodily injury to human beings were indemnified against, but the following clauses have been added, the rule regarding injury to human beings standing as before:—

Indemnity in Veterinary Transactions.

To indemnify against liability for compensation for the death of, or injury to, horses, cattle, donkeys, mules, sheep, pigs, goats, dogs, cats, and other domestic animals and domestic birds (*i.e.*, fowls, ducks, and the like) belonging to a customer of the member, caused by an error committed by the member or any person in his employment in dispensing any medicine or selling (by retail but not by wholesale) any article usually sold by chemists in any shop for which a subscription current at the time of such dispensing or sale has been paid.

Indemnity in Some Other Transactions.

To indemnify against liability for compensation for damage to, or destruction of, clothing, umbrellas, handbags, baskets, and the contents of handbags and baskets carried by customers, photographic materials, storage batteries, domestic supplies of food, belonging to a customer of the member caused by an error committed by the member or any person in his employment in dispensing any medicine or selling (by retail but not by wholesale) any article usually sold by chemists in any shop for which a subscription current at the time of such dispensing or sale has been paid.

Indemnity in Optical Sales and Work.

To indemnify against liability for compensation for bodily injury caused to any person not in the member's employment by an error committed by the member or any person in his employment in testing the sight of a customer or in selling (by retail but not by wholesale) spectacles or eye glasses in any shop for which a subscription current at the time of such testing or sale has been paid.

Debt Defence.

To legal defence when summoned for a debt alleged to be owing by the member in connection with his business as a retail pharmacist if in the opinion of the Association's officers and solicitors the alleged debt is not due and a defence would be in the general interest of the members of the Association.

Assistance in Claims for Breach of Contract.

To assistance in taking legal proceedings for breach of contract in relation to goods sold to members for dispensing or sale in the business of a retail pharmacist if in the opinion of the Association's officers and solicitors the claim is likely to succeed, and if pursuance of the claim would be in the general interest of the members of the Association.

Assistance in Claims against Carriers.

To assistance in taking legal proceedings against a carrier for damage to, or loss or destruction of, goods belonging, or consigned to or by a member if, in the opinion of the Association's officers and solicitors, the claim is likely to succeed, and if pursuance of the claim would be in the general interest of the members of the Association.

The annual subscription rate for liability in case of error and for legal defence has been raised to 3 per cent. per shop per 200*l.*, and 3*l.* per shop per 500*l.* (Proprietary Articles Trade Association members half-fees.)

Eastbourne.—At a special meeting, on June 17, of the Eastbourne Pharmacists' Association, called for the purpose of considering the proposed by-law, a number of members promised to attend the forthcoming special meeting, with the intention of voting against the by-law.

Hampshire.—The quarterly meeting of the Hampshire Pharmacists' Association was held on June 18, the President (Mr. E. H. Smith) in the chair. Mr. Wride, one of the delegates to the Local Associations Conference, gave a report of the London meeting, and, with regard to the need for the federation of local associations, thought that something more might be done in Hampshire. The resolutions relating to the Ministry of Health Bill and Venereal Disease Act were also touched upon. Turning to National Health Insurance matters, he pointed out the importance of the resolution relating to discontinuance of service, and made a few appropriate remarks on the resolutions relating to rural areas and repeat mixtures. After a discussion, a vote of thanks was passed to the delegates (Messrs. Upson and Wride). It was decided not to nominate a candidate for the Local Associations Executive Committee from the County Association, but to give support to the nominee of the Southampton (Borough) Association. A discussion followed on organisation for assistants. Two representatives of assistants were present (Mr. Lewis, Allen & Lloyd, Aldershot, and Mr. Doughty, Bitterne). The meeting decided that, it would be impossible to form immediately an assistants' association for the county, owing to the difficulty of getting men together. It was, however, recommended that a letter be sent to every employer pharmacist in the area, requesting him to see that his assistants joined one of the existing organisations. Mr. Lewis favoured a union of chemists' employes only, while Mr. Doughty put forward the advantages of the larger Shop Assistants' Union. A vote of thanks was accorded to Messrs. Doughty and Lewis for attending. It was resolved to form an employers' section of the Association, the officers of the section to be the officers of the Association; and the executive, the employer members of the Association Committee. The following new members were elected: Messrs. Allen (Petersfield), Doughty (Bitterne), Rule (Botley). At the conclusion of the meeting the Chairman presented Mr. C. H. Baker with a cheque from the members for his valuable services during the difficult times of the Military Service Act. Later, a clock, suitably inscribed, will also be presented to him.

P.A.T.A.—The annual report of the Proprietary Articles Trade Association, which is to be presented at the annual meeting on July 10, states that, notwithstanding the increase in the subscriptions, the progress of the Association has been well sustained. During the year under review the number of changes in prices has been greater than ever, and the Council and Executive have had an exceptionally busy time dealing with them. The profits are in many instances better than they were before. The increase during the year in the membership of the Manufacturers' Section was four, in the Wholesalers' Section five, and in the Retailers' Section upwards of 400, the largest increase in any one year for over a decade. The ownership and copyright of the "Anti-Cutting Record" have now been taken over by the P.A.T.A. The Elliman controversy, up to the time of issuing the report, remained unsettled. The work of the Propaganda Committee appeared to be appreciated by pharmacists. Unavailing efforts have been made to induce the Board of Customs and Excise to agree to a modification of the existing stamp duties. Further attempts are in progress. The financial statement shows that the amount received in subscriptions was 3,640*l.* 3*s.* 6*d.*, and the interest on investments and deposits was 387*l.* 3*s.* 2*d.* War stock during the year was purchased to the value of 400*l.*, and on December 31 there was a balance of 970*l.* 13*s.* 5*d.*

Sheffield.—The following have been elected office-bearers of the Sheffield Pharmaceutical and Chemical Society for the ensuing year: *President*, Mr. Ernest Preston; *Vice-Presidents*, Messrs. H. Bown and A. Knowles; *Treasurer*, Mr. H. Antcliffe; *Hon. Secretary*, Mr. J. A. Johnson; *Auditors*, Messrs. E. Hands and S. Furnival; *Librarian*, Mr. Gregory.

THE BILBERRY AND ITS COLOURING MATTER.—A correspondent suggests that the bilberry might be used as a colouring agent, if it has not already been so used.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres.

ENGLAND.

Blackburn.—Statistics placed before the Insurance Committee show that for last quarter 43,830 prescriptions were issued to insured persons at a total cost of 1,447l. 5s. 2d., the average cost per prescription being 7.92d.

Hampshire.—A meeting of the Insurance Committee was held on June 18, Mr. Smith (Gosport) presiding. The Central Checking Bureau reports for the months of September-December 1918 were approved. The financial statement for 1918 showed an income of 64l. 18s. 1d. and an expenditure of 73l. 2s. 2d., leaving a balance in hand of 54l. 19s. 11d. The number of prescriptions dispensed during 1918 was 159,884 and the amount paid to chemists 5,811l. 5s. 2d., as against 157,657 and 4,352l. 5s. 9d. in 1917. Attention was drawn to a report published on June 17, in the "Daily Telegraph" and other papers, relating to an inquest at Deptford, and it was decided to draw the attention of the Pharmaceutical Society to the statement made by the doctor.

Kent.—At a meeting of the Insurance Committee, held on June 18, the Medical Benefit Sub-Committee reported that, in view of certain complaints regarding the supply of medicines at Bexley and Crayford, a Special Committee has been appointed to investigate the matter. The result will be announced later. No further complaints have been received. Eight removals from, and eight additions to, the list of panel chemists were reported.

London.—The Insurance Committee met on June 26 to consider, amongst other business, the reports of the various Sub-Committees. The Finance Sub-Committee recommended payment of accounts amounting to 84,259l. 6s. 9d. Amongst these were the following to chemists: For the medical year 1918, 5l. 5s. 6d.; 1919, 13,879l. 8s. 6d. The Medical Benefit Sub-Committee reported that, on May 31, 2,174 contractors supplying drugs and appliances were included on the panel. Of these 1,328 were medical practitioners in general practice, 98 in institutions, 688 chemists in general business, 36 in institutions, and 24 other persons. Six additions to, and six deletions from, the list of persons supplying drugs and appliances have been made. The Sanatorium Benefit Sub-Committee reported that it is not contemplated that there should be any increase in the contribution made towards the cost of dispensary services during the current financial year.

London Co.—The candidates for the election of the Pharmaceutical Committee are Messrs. B. Abelson, G. B. Barnard, G. Crocker, J. W. Douglas, J. T. Humphrey, A. H. Jenkin, J. Keall, A. R. Keith, A. R. Melhuish, J. Milner, J. Murison, C. A. Noble, W. E. D. Shirtliff, H. Skinner, P. Sparks, J. A. Thompson, W. B. Trick, A. J. Wing, C. Yeoman. Voting papers have been sent out, and must be returned to 17 Bloomsbury Square, London, W.C., not later than twelve noon on June 20.

Newport (Mon.).—In the annual report of the Pharmaceutical Committee the Secretary (Mr. Menhinick) reviews the work undertaken in connection with the effects of the 1918 Military Service Act. He points out that the Insurance Committee was well disposed towards chemists, and states that probably this favourable attitude was influenced, to some extent, by the presence on the Insurance Sub-Committee of an ex-President of the Association, which shows the advantage of chemists taking their part in public life in order to make known the difficulties peculiar to a chemist's business. A proposal was made by the Insurance Committee that a single prescription form should be adopted in the interests of paper economy, and to this the panel doctors had consented. But the Secretary pointed out the serious disadvantages such a course would impose on the overworked and underpaid chemists,

with the result that no further action was taken in the matter. Thanks were offered to the officials of the Pharmaceutical Society for their courtesy and help. Attention is drawn to the low attendance at recent meetings, and a plea is urged that the younger members of the Association should take an active interest in the working, both of the Pharmaceutical Committee and the local Chemists' Association. The total expenses amount to only about half what the Committee is entitled to spend for administrative purposes, and a sum of 10l. has been paid to the Checking Bureau.

Portsmouth.—The annual report of the Pharmaceutical Committee announces an election for this year. The following statistical data are given:

	1917	1918
Number of prescriptions...	120,284	137,667
Total cost	2,854l. 7s. 8d.	3,899l. 8s. 1d.
Persons on panel lists ...	51,809	52,002
Average ingredient price per prescription	2.74d.	3.38d.
Average dispensing-fee per prescription	2.96d.	3.41d.
Average total cost per insured person	13.22d.	18.00d.
Cost of sanatorium benefit prescriptions	74l. 7s. 11d.	148l. 4s. 6d.

Slightly improved terms for 1919 were obtained from the Insurance Commissioners, and it is hoped that a still further improvement will be obtained for 1920. The checking of prescriptions will again be carried out by the Bureau for the year 1919. Only one complaint with reference to the Pharmaceutical Service was received, and this was settled without its coming before the Statutory Committee. The Committee feels that the final payments made to the chemists in respect of the surcharge of the doctors for 1914 are satisfactory (*C. & D.*, May 31, p. 64). Fifteen pounds were paid to the Checking Bureau for 1918. The prompt manner in which the accounts were again met by the Insurance Committee is eulogised.

Surrey.—A meeting of the Insurance Committee was held, on June 25, at which the reports of the various Sub-Committees were received. The Medical Benefit Sub-Committee announced that one name had been removed from, and three added to, the list of persons supplying drugs and appliances. The Committee recommends also that an advance payment be made to practitioners at the rate of 4d. per person for whom they dispense, as shown by their lists on July 1, in respect of the quarter ending September 30. The administration expenses of the Pharmaceutical Committee for the year 1919 is estimated at 260l., of which checking expenses amount to 55l. The Finance and General Purposes Sub-Committee reported that it has recommended appropriate action to be taken to ensure that chemists who post their scripts on the third day of the month may not be penalised should such scripts not be received at the offices of the Joint Committee on the fourth day of the month (*C. & D.*, May 3, p. 63). A practitioner forwarded to the Sub-Committee a plaster which had been supplied to one of his patients as a belladonna plaster. The doctor desired to know whether the plaster was what it was intended to be. The Clerk was instructed to submit the plaster to the county analyst for analysis at a fee of one guinea. The following is taken from the statement of accounts of the Medical Benefit Fund:

	May 28, 1919	June 18, 1919
	£ s. d.	£ s. d.
Chemists: advances and balances	2,501 0 5	950 11 4
" balances, etc., 1918 ..	—	9 10 6
Pharmaceutical Committee: deductions from chemists' accounts	67 1 9	24 0 3

As a result of a recent application made by the British Medical Association to the Insurance Commission, the chairman of the National Health Insurance Joint Committee (Major Astor) has intimated that the Government are prepared to pay for the year 1919 a war bonus to insurance practitioners at a substantially enhanced rate over and above the rate paid for the year 1918.

Pharmaceutical Society of Great Britain.

North British Branch.

A MEETING of the Executive of the North British Branch was held at 36 York Place, Edinburgh, on June 18, Mr. William Giles in the chair. There were present: Messrs. Fisher, Forbes, Giles, A. Gilmour, D. Gilmour, Glass, and McMillan.

It was reported that the series of meetings arranged for at Aberdeen, Dundee, Edinburgh, and Glasgow had been held, and had been addressed by Sir William S. Glyn-Jones. A meeting had also been held at Ayr, which had been addressed by Mr. Guthrie. As a result of the meetings it was expected that a joint conference of representatives would be held on an early date.

ANNUAL GENERAL MEETING.

The annual meeting of members of the Society residing in Scotland was then held, Mr. William Giles (Chairman of the Executive) in the chair.

CHAIRMAN'S STATEMENT.

The Chairman said the suspension of hostilities in the great world war and the near prospect of a righteous and lasting peace have brought with them many difficult and perplexing problems, of which pharmacy has its share. The annual report indicates six meetings of the Executive in the year, but the number is really eight, which is the largest number of meetings the Executive has ever held in any one year. The Executive has continued to afford facilities for carrying on the work of the Pharmaceutical Standing Committee (Scotland) in connection with National Health Insurance. Hitherto the *status quo* has been continued. Owing to the near end of the war, as well as to the Board of Health Act (Scotland), 1919, the time has arrived for promoting and safeguarding the interests of those engaged in pharmaceutical service under the N.H.I. Acts. The conditions will be quite new, and pharmacists should see that the remuneration afforded them and the conditions of service are sufficient and satisfactory. The proposal to extend the Health Insurance Acts to all employed persons with an income under 250*l.* yearly, to women and also to children of insured persons, will, if carried out, affect both panel and non-panel chemists in a way which will demand careful consideration and close watching. The Executive has had to deal with letters and complaints of protests against the issuing by the Local Government Board (Scotland) of offensive leaflets under the Venereal Disease Act, classing druggists along with quacks and herbalists. The Executive made a strong protest to the Local Government Board, and a reply was received that the terms of the leaflets to which the Executive had objected would be modified. Quite recently the same offensive leaflets have been circulated in such an important centre as Glasgow. Another protest has been sent reminding the Department of their promise.

THE EXAMINATIONS.

After referring to the increase of expenditure from causes which are well understood, the Chairman said the pass-list of the qualifying examination shows an improved percentage, being 55 as compared with 52.5 last year. In October there will be an entirely new development, as from that date candidates will be allowed to take the examination in two parts. The first will be scientific, and the second will be technical. This division of the examination has long been urged by the Executive, and is one of the many advances of pharmaceutical policy in which it has taken a leading part. The Qualifying examination is to be conducted as regards its scope in keeping meantime with the existing syllabus, but in a divided form. The fully reconstructed examination, with the relative regulations, will not come into operation sooner than October 1920, and it is suggested that it may be later. The institution of a recognised curriculum of study on wise and reasonable lines, which has for years been advocated by the Executive and also by the Scottish Board of

Examiners, will now be brought into operation. There will also be need to consider the whole question of educational facilities in Scotland for pharmaceutical students and the official recognition of adequately equipped technical institutions. The question of day continuation classes under the new Education (Scotland) Act and the institution of a degree in pharmacy in the Scottish Universities also call for definite action. At the date of the report there were 1,086 members on the roll for Scotland—that is thirty-seven more than last year, and the highest membership yet attained. That means a good deal as indicating that Scottish pharmacists have confidence in the Society and are thoroughly loyal to all for which the Society stands. It would be a mistake to suggest that they are satisfied with things as they are. On the contrary, just as in England and Wales, the ending of the war and the new ideas now prevailing are pressing for expression in some genuine and thorough-going forward movement.

IMPROVING ORGANISATION.

On the whole, this longing for pushing on must be taken as an entirely healthy sign and something to be welcomed and made use of for the benefit of the whole craft. No doubt improvement in the machinery of the Society is necessary, but in view of existing differences of opinion it is perhaps wise not to enter into much detail. The whole situation regarding local autonomy in Scotland and its relationship to England and Wales needs careful consideration. When Jacob Bell came to Scotland he found a Committee of local pharmacists in Edinburgh. There was an agreement that there should be a Board of Examiners in Scotland. There was also an understanding that there should be a representative body to act for and assist the Council in administration in Scotland. This body became the Council of the North British Branch, and then the Branch came into being. In 1886 a readjustment was effected and the Executive of the North British Branch was constituted by a resolution of the Council. It is not a matter of statute or by-law, but it has operated smoothly and successfully. Never once during the thirty-three years of its existence has there been any dispute with the Council, or any overlapping or clashing; nothing but harmony and active co-operation. This local autonomy is very valuable and well worth preserving, but the precise manner in which it should be carried out is fair matter for consideration. A scheme based on a resolution that is over thirty years old may very well call for some revision and adaptation to modern conditions. As the resolution stands, it gives considerable latitude. It merely says the members of Executive are to be elected by members of the Society and Associates in business in Scotland. The plan hitherto has been to follow the same plan as the election of the Council of the Society. If there be a desire to elect the Executive on a territorial basis there is nothing to prevent that being done at once. In this respect the Executive is quite different from the Council. On the other hand, if there is a desire to elect the Executive by a Federation of Associations or Branches—say, in four or more groups—there is nothing in the existing resolution to prevent that being done. But if even wider modifications are desired, there would be no serious difficulty. The resolution of the Council itself could be altered in any way desired by Scottish pharmacists. We have just had district meetings in the four principal centres in Scotland. Sir William S. Glyn-Jones, the energetic Secretary of the Society, at a considerable sacrifice of time and labour, has addressed these meetings. Much illuminating discussion has taken place, and the general shaking-up cannot fail to do good. Certain opinions have been adopted at these and other meetings, but resolutions or votes at such meetings are not, after all, the most important thing to aim at, nor do they really accomplish much. As has well been pointed out by the Secretary, the great thing to aim at is for the leaders on all sides of opinion to meet together and seek to devise a scheme of real progressive action on which the whole forces of Scottish pharmacy can unite its energies. It ought to be possible to discover some practical

way by which this desirable end can be attained in and through the machinery of the Pharmaceutical Society, which all will recognise to be the central statutory authority in Scotland as well as in England and Wales. The Chairman closed his address with a reference to the death of Mr. W. R. Kermath, of St. Andrews, who was formerly a member of the Executive.

SCRUTINEERS' REPORT.

The Scrutineers' Report was then submitted, showing that there were 390 votes to be recorded. The successful candidates and number of votes recorded are as follows:

Arthur, H. P. (225).	M'Ewan, A. (179).
Brown, W. W. (202).	Mackenzie, T. (201).
Cowie, W. B. (201).	M'Millan, A. (169).
Craig, W. R. (165).	M'Nab, W. G. (201).
Currie, A. (176).	M'Vitae, J. B. (229).
Forbes, J. J. (222).	Meldrum, M. (178).
Gilmour, D. (179).	Murchie, J. (214).
Glass, W. S. (210).	Murray, A. (206).
Jack, J. (268).	Storror, D. (165).
Kitchin, G. S. (249).	

The foregoing list includes nineteen names, there being an equality of votes for William Reid Craig and David Storror.

The Chairman then said it lay with him to decide which of the two candidates having an equality of votes should be declared elected. He was aware that Mr. Storror had indicated a desire to retire from the Executive. They would miss his wise counsel, but he felt he would be acting as Mr. Storror would wish him to act in giving his vote for Mr. Craig. He then declared that the other names on the list, together with the President of the Society (Mr. W. L. Currie), the Vice-President (Mr. P. F. Rowsell), and Mr. Thomas Guthrie (Clydebank), as *ex-officio* members, will constitute the Executive for the year 1919-20.

Votes of thanks concluded the business.

Import of Dyestuffs.

The Board of Trade has issued the following:—While the regulation of the import of dyestuffs was primarily necessitated in order to prevent the free access of German materials to this market, it was felt that some measure of control was desirable over all imports if the scheme was to be thoroughly effective. It was, therefore, decided that a central importing agency should be established under the direct control of the Committee through which all imports of dyestuffs must pass at some stage. As soon as the Committee are in a position to consider applications for the import of German dyestuffs, which will not be until after the withdrawal of the Trading with the Enemy Regulations, the central importing agency will be the medium through which supplies will be made available to consumers. Except in the case of German dyes, the agency will now undertake, if desired, the purchase of dyestuffs abroad on behalf of consumers, but where it is desired to make purchases direct or through recognised merchants the goods will merely require to be consigned to the agency for the account of the particular consignee and the shipping documents made out accordingly. For its services the agency will charge a commission of 1 per cent. on the invoice value of the goods, with a minimum charge of 5s., but this charge will not, of course, include any incidental expenses such as freight, insurance, storage, etc., which must naturally be additional and borne by the importer. The offices of the Central Importing Agency for the time being are at 21 Spring Gardens, Manchester. Any firms desiring further information on the subject or wishing to make application for an import licence are advised to communicate direct with the secretary of the Licensing Sub-Committee at the address already given (53 Spring Gardens, Manchester).

WHAT WAS IT?—A pharmacist ordered a Tarragon plant from a nursery gardener, and made a "Tarragon vinegar" with the aid of its leaves. He supposed that he was getting the plant mentioned in "Pharmaceutical Formulas"; but the proof of the vinegar lay, so far as he was concerned, in the eating, which was not a happy experience. What was the plant?

Trade Report.

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling and the like. Qualities of chemicals, drugs, oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

42 Cannon Street, E.C. 4, June 26, 3 p.m.

THE Mincing Lane produce-markets have shown more activity this week, and the undertone continues good. Shellac has had a sensational rise on speculative and trade buying. Agar-agar has been sold in a large way, chiefly for export, at rising prices. Balsams Peru, tolu, and copaiba are all firm. Japanese oil of mint has sold more freely at firmer rates. Refined camphor is fully steady, and English flowers are a further 1s. per lb. dearer. The market for pharmaceutical chemicals is neglected to some extent, but actual requirements have led to the placing of orders in spite of stocktaking time, and this is a welcome feature. The very decided improvement in export trading is also gratifying, as stocks of many products are fairly heavy. Few changes have occurred in the chemical section, for the very good reason that many articles are at a level which does not permit of any further reduction taking place—the salicylates and aspirin being notable examples. There is still an element of uncertainty in regard to products which are likely to be imported from Germany, and business in phenazone and phenacetin has been limited to the smallest possible extent. Cocaine and hexamine are rather easier. Vanillin is dearer.

Higher	Firmer	Easier	Lower
Agar-agar	Anise oil, star	Acetic acid	Cloves
Albumen	Arsenic	(forward)	Phenazone
Camphor (Eng. flowers)	Fallia	Aloes (Curaçao)	Tamarinds (W.I.)
	Lemon oil	Cocaine	Taraxacum
Hen-yolk	Mint oil (Jap. dementh.)	Hexamine	Turpentine
Mace		Lime oil (W.I.)	
Nutmegs		Pimento	
Pepper (blk.)			
Shellac			
Vanillin			

The Drug-auctions will be held next
Thursday, July 3.

Cablegram.

NEW YORK, June 25.—Business in drugs is quiet. Opium is lower at \$9.00 per lb., duty paid, for druggists'. Oil of wintergreen has advanced to \$6.75. Senega is dearer at \$1.55, and elecampane-root has advanced to 10c. Serpentine-root is also dearer at 65c. per lb.

ACETANILIDE.—Some large quantities have been sold for export, but the demand for the home trade is quite neglected. There are sellers at 2s. per lb. in quantity.

ACETIC ACID.—In consequence of the American freights having been reduced to more reasonable proportions, dealers have been enabled to modify prices for forward delivery. The stocks of 80-per-cent. pure have been rapidly absorbed owing to the great demand, and 65l. to 67l. 10s. per ton is freely obtained. Glacial 99-100-per-cent. is also in good demand at 80l. per ton in barrels, but for forward delivery 60l. is quoted for 80-per-cent. and 75l. for glacial.

ACETONE.—There appears to be no likelihood of the price being reduced in the U.S., and there are sufficient stocks in this country to provide for all requirements for a considerable time. The spot price of pure is 97l. per ton ex works, drums included.

AGAR-AGAR is dearer, with spot sales of No. 1 Japanese at from 2s. 9d. to 3s. per lb., and to arrive 3s. 3d. c.i.f. is quoted. A very large export business has been done, principally to the Continent. The exports from Japan during

March amounted to 215,735 kin, valued at 283,731 yen. During the three months ended March they were as follows:

To	1917 Kin	1918 Kin	1919 Kin
China ...	388,229	116,961	114,686
Hong-Kong ...	161,978	109,064	138,769
Straits Settlements ...	11,015	24,525	36,460
Dutch Indies ...	48,166	75,080	71,916
Asiatic Russia ...	399	62	330
Great Britain ...	17,262	495,686	31,000
France ...	3,000	—	—
United States ...	69,313	8,616	23,050
Other Countries ...	75,705	60,390	46,422
Kin ...	774,767	890,384	462,573
Yen ...	702,308	819,751	582,113

ALBUMEN.—Spot sales of Chinese egg have been made at 4s. 7½d. to 4s. 9d. per lb., and for June-July shipment 4s. 7d. c.i.f. has been paid.

ALOES.—A few export orders for Cape have been filled, but demand on the whole has been slow, good bright firsts offering at 57s. 6d. per cwt. down to 50s. for ordinary. Curaçao in boxes are a trifle easier, fair pale liver offering at 110s. and ordinary turned liver to slightly drossy at 95s. to 90s.

ANISE OIL, STAR, is firm, with spot sellers of "Red Ship" brand at 5s. and buyers at 4s. 10½d. per lb. To arrive, 4s. 9d. per lb. c.i.f. is quoted, at which sales have been made.

APRICOT-KERNELS.—Chinese to arrive are quoted at 65s. per cwt. c.i.f.

ARROWROOT.—Sales of common manufacturing St. Vincent have been made at 6d. per lb., and fine at 7½d.

ARSENIC shows a better tone at about 37l. per ton for best white powdered Cornish, and as the season demand is approaching the consumption should be stimulated.

ASPIRIN.—Doubt is expressed as to whether makers will be able to reduce prices below the present quotation, especially in view of the improvement which is gradually appearing in the position of carbolic acid. Buyers of quantity can still purchase at 3s. 9d., but there is a good business passing at up to 4s. per lb. for immediate delivery.

BALSAMS are firm at primary sources. Peru on the spot is quoted at from 15s. 9d. to 16s. per lb. for B.P. Tolu is quoted at 6s. 9d. from first-hands, and a little less from second-hands. Copaiba has been sold at 4s. 3d. per lb. on spot for B.P. quality.

BELLADONNA-ROOT.—English is offered at 2s. 9d. per lb. for 0.45 test, and for English leaves 2s. 6d. per lb. is quoted.

BENZOIC ACID (ex toluol).—Makers are showing an inclination not to accept orders below 4s. 6d. per lb. in quantity, and there is more inquiry both for home and export; from 4s. 9d. to 5s. is regarded as the prices for spot supplies.

BERGAMOT OIL is quiet at 18s. per lb. c.i.f., the spot value being 20s.

CAFFEINE.—Some further importations of the pure alkaloid are coming from Japan, for which bids are solicited. We have not heard of sellers below 30s. per lb.

CALUMBA.—Fair natural sorts have been selling at from 90s. to 85s. per cwt. on the spot.

CAMPHOR OIL.—Good white essential Japanese is obtainable on the spot at 110s. per cwt. The exports from Japan during March amounted to 30,175 kin, valued at 7,906 yen. During the three months ended March 31 they were as follows:

To	1917 Kin	1918 Kin	1919 Kin
British India ...	220,758	23,466	51,981
Yen ...	41,726	5,839	13,222

CAMPHOR (REFINED) is steady, with small sales of Japanese 2½-lb. slabs at 14s. per lb. on the spot, and July delivery at 13s. 9d.: to arrive, July-August shipment, 12s. 9d. per lb. c.i.f. has been paid, but on Wednesday this position was offered at 12s.: ¼-oz. tablets are worth 15s. 6d. There have been several arrivals of slabs this week, which have been offered at a trifle under 14s. The exports from Japan during March amounted to 204,946 kin, valued at 532,187 yen. During the three months ended March 31 they were as follows:

To	1917 Kin	1918 Kin	1919 Kin
British India ...	128,305	144,783	2,959
Asiatic Russia ...	—	—	4,745
Great Britain ...	29,030	141,862	15,725
France ...	—	—	48,359
United States ...	689,179	137,286	419,873
Australia ...	331	26,863	45
Other Countries ...	24,896	57,515	25,632
Kin ...	871,741	508,419	517,338
Yen ...	1,342,065	955,990	1,449,101

CAMPHOR.—English flowers have been advanced by a further 1s. to 14s. per lb.

CARBOLIC ACID.—A very large quantity of the cheap American material has been appropriated by consumers on that side, and the price has risen 2c. per lb. In consequence, English makers show more reluctance to commit themselves heavily for forward delivery, as the prospects point to an improvement later in the year. A considerable proportion of the stocks consist of off-colour acid not sufficiently pure for the majority of consumers, and consequently 39° to 40° C. ordinary ice crystals command the slightly higher price of 4½d. per lb. in large bulk packing.

CASCARILLA.—Fair silvery quill is offered at from 2s. to 2s. 3d. per lb. and siftings at 1s. 6d.

CHLORAL HYDRATE.—The price has been reduced in the U.S.A., and we may naturally expect to see a reduction in the spot quotation before long.

CITRIC ACID.—The shipments from Australia are finding their way into consumers' hands, and as the Italian makers are very firm, we may see a recovery in the summer months. The quantities absorbed by the U.S.A. from this market during the year have been surprisingly large, and further heavy buying is anticipated later. Spot price is 4s. 4d.

CLOVES are cheaper, fair Zanzibar offering at 1s. 2d. per lb. on the spot. The London stock is 18,500 bales, compared with 13,053 and 13,960 bales in 1918 and 1917 respectively.

COCAINE.—Hydrochloride has again slightly eased during the past week, competition for orders being still very keen. It is stated that new regulations regarding dealings in cocaine are to be issued by the Home Office at the end of the month.

COCA-LEAVES.—The market is still bare, but some parcels of South American are on the way.

COCCULUS INDICUS has been wanting on the spot for a lengthy period. A parcel due shortly has been sold at 65s. per cwt.

COD-LIVER OIL.—Our Bergen correspondent writes on June 17 that the Finmarken fishing the previous week yielded less than a half-million cod. The official report gives the following results up to June 14:

	1917	1918	1919
Catch of cod (millions) ...	26	23.5	29
Yield of c.l.o. (hect.) ...	34,833	19,782	35,025
Liver for "raw" oils (hect.) ...	5,403	6,142	4,992

Arrivals from Norway to Hull amount to about 500 barrels, while 325 casks and 560 barrels have also arrived from Newfoundland to Liverpool. Buyers appear to be quite apathetic regarding Norwegian oil, although spot stocks are limited. To arrive new Norwegian is quoted at 425s. per barrel c.i.f.

COLCHICUM CORM is offered at 4s. 9d. per lb. on the spot.

CREAM OF TARTAR is still neglected, and holders in London are generally very desirous of clearing their stocks, offering at from 220s. to 230s. for 99-per-cent. powder. Makers are asking much higher rates than the foregoing, and it is quite conceivable that when the second-hand stocks are disposed of a recovery may set in, as the cost of production precludes the makers from following the low prices quoted by dealers.

DEXTRIN.—White or yellow Dutch is quoted at 65l. per ton c.i.f. London.

EGG PRODUCTS show a sharp advance. Chinese hen liquid yolk (2 per cent.) has been sold at 170s. for afloat and near shipment; June-September shipment has been sold at 150s. to 160s. c.i.f. Dried whole on the spot is 3s. 6d. and afloat 3s. per lb. c.i.f. Dried yolk on the spot is 2s. 6d., and for June-July shipment 2s. 2d. to 2s. 2½d. per lb. c.i.f. has been paid.

EUCALYPTOL is offered at 5s. 6d. per lb.

FARINA.—Japanese No. 1 is dearer, with spot sales at from 46s. to 51s. per cwt., and for May-July shipment 47s. to 48s. c.i.f. has been paid. Sweet-potato flour is steady, the spot value being 39s. per cwt.

GALLS.—Good Persian blue are obtainable at 125s. and Chinese at 120s. on the spot.

GENTIAN is slow of sale, but Spain is asking 52s. per cwt. c.i.f., which is much higher than the spot value.

GLYCERIN is in very good export demand. The refiners' quotation for double-distilled chemically pure, in 5-ton lots, naked, is 113l. per ton in drums. A few small imports have taken place from U.S.

HEXAMINE is a shade easier, from 5s. 6d. to 5s. 3d. per lb. having been accepted for spot parcels. A few lots have arrived from U.S.

HONEY.—A good export business has been done from this country, principally in Australian, finest pale set of which is quoted at 65s. per cwt., and pale Californian at 87s. 6d. on the spot.

HYDROQUINONE is scarce at from 11s. to 10s. 6d. per lb. on the spot, as supplies from the U.S. are coming forward very slowly.

KOLA is firm, good West Indian halves selling at 8d. per lb. and quarters 8½d. per lb.

LAVERNER OIL.—Finest French is offered at from 33s. 6d. to 35s. per lb.

LEMON OIL continues in steady demand at from 4s. 6d. to 5s. per lb. on the spot, and 4s. 4½d. c.i.f. to arrive. Some look for an improvement, especially when the Central Empires recommence buying; and if a recovery should set in it may be reckoned that the Italians will take full advantage of it when selling to their former enemies.

LIME OIL has an easy undertone owing to slack demand. fair white distilled West Indian offering at 3s. 9d. to 3s. 10½d. per lb. on the spot.

LIQUORICE-ROOT.—Good cut decorticated in one quarter is held at 100s. per cwt.

MACE.—At auction 277 packages West Indian offered, and practically all sold at an advance of from 2d. to 3d. per lb.

MENTHOL is fully steady, with sales of Kobayashi-Suzuki at 25s. 6d. per lb. on the spot. The exports from Japan during March amounted to 9,819 kin, valued at 107,531 yen. During the three months ended March 31 they were as follows:

To	1917 Kin	1918 Kin	1919 Kin
British India ...	2,928	7,111	1,605
Great Britain ...	15,115	8,326	1,710
France ...	1,361	450	225
United States ...	47,063	30,758	28,241
Other Countries ...	4,484	3,140	1,209

Kin ...	70,956	49,785	32,990
Yen ...	477,268	308,065	312,993

METHYL ACETONE, as a cheap substitute for acetone, is finding an increasing outlet as a solvent of scrap celluloid, which is largely in use for industrial purposes. It is obtainable at from 85d. to 92d. per ton ex works, according to quantity.

MILK-SUGAR.—The Government stocks are being steadily drawn upon, and it is difficult to know how long the present price of 1s. 6d. will remain in force. Supplies from Holland are coming forward slowly, and they are immediately absorbed.

MINT OIL.—Japanese dementholised is firmer, with sales at 6s. to 6s. 3d. per lb. on the spot, and to arrive sales have been made at 5s. 9d. per lb. c.i.f. The exports from Japan during March amounted to 15,520 kin, valued at 47,169 yen. During the three months ended March 31 the exports were:

Kin ...	1917 ...	1918 ...	1919 ...
...	33,985	16,913	36,075
...	80,923	36,705	109,740

NAPHTHA is neglected, solvent offering at from 2s. 1d. to 2s. 3d. per gal. in London, and at from 1s. 9d. to 2s. in the North.

NUTMEGS.—At auction 1,368 packages, mostly West Indian, offered, and the bulk sold at an advance of 1d. to 2d. per lb. for sound and ½d. to 1d. for defective.

OILS AND FATS.—Owing to the excessive rise in the price of certain oils and fats, and in order to limit speculative sales and purchases of raw materials, the Food Controller has made an Order restricting from June 23 dealings in certain scheduled seeds, oils, and fats to persons licensed by the Ministry of Food. The articles at present scheduled are copra, cottonseed, ground-nuts, palm-kernels, coconut oil, cottonseed oil, ground-nut oil, palm-kernel oil, soya oil, premier jus, oleo oil, neutral lard, linseed oil, and linseed. Applications for licences should be made to the Director of Oils and Fats, New County Hall, Lambeth, S.E. 1.

OPIMUM.—The end of the month may see the issue of an Home Office Order revising the regulations permitting dealings in opium and cocaine. Turkey (11½ per cent.) is worth about 25s. to 26s. per lb., and the nominal value of 10-per-cent. Persian is 55s. per lb.

PARALDEHYDE.—The few second-hand parcels on the market are checking the sales at the advanced prices noted last week.

PEPPER.—Black is firmer, the sales including Singapore at 11½d. to 1s. per lb. on the spot; also June-August and July-September shipment at 11½d. to 11½d. per lb. c.i.f. Lampong is quoted at 11½d. c.i.f. Tellicherry has been sold at from 1s. 1d. to 1s. 2d., and Aleppy at 11½d. to 11½d. per lb. White pepper is firm, the sales including Muntok at 1s. 5½d., closing sellers at 1s. 5½d. on spot; also June-August shipment at 1s. 4½d. to 1s. 5d. c.i.f., and Singapore for June-August shipment at 1s. 4½d. c.i.f. London. The spot price for Singapore is 1s. 5½d. per lb.

PEPPERMINT OIL.—Several important sales of American tin oil have been made on the spot, and, as stocks are quite small, 42s. to 41s. per lb. is asked, and 40s. to come forward.

PHENACETIN.—Orders are being placed for very small quantities only, and buyers have evidently very little confidence in the future.

PHENAZONE.—Very keen cutting is in progress for the parcels which are coming in from France, the origin of which is suspect; in some quarters 27s. 6d. to 25s. per lb. is quoted.

PIMENTO is quiet, with spot buyers at 5½d. per lb.

POTASH IODIDE.—The exports from Japan during March amounted to 4,429 kin, valued at 29,485 yen. During the three months ended March 31 the shipments were as follows:

Kin ...	1917 ...	1918 ...	1919 ...
...	27,183	42,326	23,386
...	171,318	252,686	152,115

Of crude iodine 1,781 kin, valued at 14,935 yen, were exported during March, and the exports for the three months ended March 31 were:

Kin ...	1917 ...	1918 ...	1919 ...
...	3,822	19,656	4,580
...	35,417	123,503	31,955

QUICKSILVER.—Some very large purchases have been made for export and home trade, and the market is firm at 187. 10s. per bottle.

QUININE ETHYL CARB. is offered at from 10s. 6d. to 11s. per oz.

RHUBARB.—Second-hand holders who have a case or two ask 7s. 6d. per lb. for round or flat Canton, and for round Chinese *Rhapontica* 1s. 6d. is wanted.

SACCHARIN is still in good export demand, and makers are experiencing difficulty in meeting the increasing demand; prices are unchanged. A New York advice, dated June 11, states that cheaper cost of raw materials with a markedly lessened demand has been effective in forcing the prices down to \$3.50 per lb. There are plentiful stocks in this market available at this figure, and from the general tone of the sellers it might be possible to do \$3.25.

SAFFRON is dearer at from 50s. to 57s. 6d. per lb. for Valencia as to quality.

SALICYLIC ACID.—It is evident that English makers will have to realise higher prices in future owing to the better prospects which are being held out for carbolic acid, so that when this latter materialises a few pence per lb. advance in salicylic acid would not be surprising. For B.P. acid powder 1s. 6d. per lb. is still quoted, but sales of small lots are being made at 1d. to 2d. beyond this figure.

SENEGA is a trifle on the easier side, spot selling at 7s. per lb. A New York advice, dated June 11, reports that owing to the very small supply the price has moved up again to \$1.50 to \$1.55, with prospects of an extreme scarcity before new crop becomes available.

SHELLAC has advanced fully 25s. per cwt. on the spot, with sales of the usual standard quality TN Orange at from 347s. 6d. to 377s. 6d.; fine Orange is 390s. to 400s. AC Garnet, blocky to hard cakey on the spot, is 235s. to 290s., and block 230s. To arrive, TN Orange for May-June shipment has been sold at 350s. to 355s., June-July shipment at from 340s. to 362s. 6d., and July-August shipment at from 335s. to 350s.; pure Button 360s. per cwt. c.i.f. Futures are much higher, the sales including August delivery at from 350s. to 380s. and October at from 353s. to 382s. per cwt.

SODA PRUSSIAN.—Yellow is quoted at 8d. per lb. in casks on the spot.

SODA SALICYLATE is steady, and there is no possibility of buying below 2s. 6d. per lb. for B.P. powder.

TAMARINDS.—West Indian are cheaper, the sales including good Barbados at 70s. to 75s. Antiguas are offered at from 45s. to 50s. Calcutta and Madras are unobtainable on spot, and parcels afloat have been sold at from 25s. to 27s. 6d. per cwt.

TARAXACUM.—English dried is rather cheaper, offering at 80s. per cwt. gross for net.

TARTARIC ACID.—Some large operations by dealers have been consummated for forward delivery, showing they have confidence in the position, and a steady improvement is looked for as the year advances. Spot prices are from 3s. 3½d. to 3s. 4d.

TRAGACANTH.—The stocks of good druggists' quality are exhausted, but some fresh consignments are now landing.

VANILLIN.—There are more buyers than sellers, and as stocks for prompt delivery are extremely small up to 50s. has been paid, with 55s. asked. Of course, the price may be reduced later when fresh supplies come to hand, but the demand at the moment is very brisk.

WAX, VEGETABLE.—Sales of Japanese have been made at 75s. per cwt. on the spot.

Arrivals of Chemicals, Drugs, etc.

The following arrivals have taken place at the ports named:

London
(June 16 to 23).

Acetone (Halif.), 60 drms.

Alcohol, wood (U.S.), 201 drms.

Almonds, (Sp.) 1,405 bbs., (Sic.) 130 bbs., (Fr.) 100 cs.

Barytes, (U.S.) 783 bbs., (Belg.) 200 bbs., (Sp.) 814 bbs., 500 sks.

Bay rum (N.Y.), 24 cs.

Calcium carbide (Can.), 9,234 drms.

Carbon, black (N.Y.), 50 cs.

Chemical products, etc.: photo developers, (N.Y.) 30 cs.; not described, (Fr.) 6 drms. 20 cs., (Belg.) 44 cs.

Acetic acid, (N.Y.) 700 bbs., 49 cs., (Can.) 96 chys.

Antimony oxide (Fr.), 42 cks.

Argol, (Sp.) 53 pkgs., (It.) 324 pkgs.

Barium carb. (N.Y.), 1,095 bbs.

Barium chlorate (Fr.), 20 bbs.

Boric acid (N.Y.), 400 cks. 200 kgs.

Calc. borate (N.Y.), 3,993 sks.

Calc. citrate, (S. Amer.) 30 casks, (It.) 90 cks.

Cinchonine (Amst.), 10 cs.

Ethyl chloride (Fr.), 1 cs.

Formaldehyde (New York), 122 bbs.

Glycerin (Amst.), 10 cs.

Iodine (Sp.), 4 cs.

Lead, white (N.Y.), 121 cks.

Lithium carb. (N.Y.), 6 cs.

Milk sugar (Holl.), 100 cs.

Potash carb. (N.Y.), 30 cs.

Potash pruss. (Amst.), 31 bbs.

Quinine (Jv.), 233 cs.

Salt petre (Cal.), 1,000 bbs.

Sodium (Fr.), 4 cks.

Soda chlorate (Fr.), 20 cks.

Sulphur (It.), 100 bbs.

Tannic acid (N.Y.), 39 bbs.

Zinc oxide (N.Y.), 950 bbs.

Zinc white, (Aust.) 2,000 bbs., (R'dam) 220 bbs.

Cocoa butter, (N.Y.) 650 bbs. 991 bbs., (Amst.) 37 bbs.

Drugs, crude: barks, roots, etc. (N.Y.), 27 pkgs.

Areca (Cey.), 125 bbs.

Broom root (N.Y.), 499 bbs.

Caraway seed (R'dam), 50 bbs.

Cardamoms (B'bay), 366 cs. 78 pkgs.

Cassia fistula, (W.I.) 5 pkgs., (Amst.) 23 bbs.

Chiretta (Cal.), 55 pkgs.

Cinchona (E.I.), 184 bbs.

Coriander (Mor.), 4,200 bbs.

Cumin seed (Mor.), 131 bbs.

Liquorice-root (It.), 8 bbs.

Manna (It.), 4 cs.

Nux vomica (E.I.), 62 bbs.

Opium (B'bay), 22cs.

Orange-peel (Trip.), 57 bbs.

Saffron (Sp.), 3 pkgs.

Senna (Trin.), 271 bbs.; pods, 30 bbs.

Tamarinds (E.I.), 10 cks.

Turmeric (E.I.), 39 bbs.

Valerian (B'bay), 53 bbs.

Witch-hazel, ext. (N.Y.), 13 bbs.

Drugs, medicines, etc., not described, (Can.) 12 cs., (N.Y.) 50 cs., (Fr.) 8 pkgs.; emulsions (U.S.), 9,720 bbs.; fig syrup (U.S.), 11,100 cs.; glaxo (N.Z.), 7,532 tins; glycothymine (New York), 724 bbs.; liquid paraffin (Calif.), 1,200 bbs.; listerine (N.Y.), 910 cs.; mentholatum (N.Y.), 75 cs.; ointment (Can.), 16 cs.; petroleum jelly (N.Y.), 225 bbs.; plasters (N.Y.), 30 cs.; vanishing cream (Can.), 600 cs.

Dyes, dyeing and tanning materials, etc.; dyes not described (Belg.), 170 cks. 1 cs.; extract, tanning (Aust.), 40 cs.; myrabolans (E.I.), 75 bbs. 3,227 pkts., (B'bay) 2,464 bbs. (extract), (Fr.) 50 cks.; sumac (It.), 200 bbs.; wattle ext. (Natal), 8,361 bbs.

Egg products: yolk & liquid albumen (Ch.), 724 pkgs.

Gelatin, (Sp.) 75 cs., (Fr.) 137 cs.

Gums, resins, etc., not described, (N.Y.) 800 cs., (B'bay) 281 bbs. 68 cs.; acacia (Alex.), 284 bbs.; copal, (N.Y.) 16 cs., (Jv.) 1,312 bbs.; damar (Jv.), 150 cs.; lac, shell (Cal.), 15 cs. 450 bbs. 190 pkgs.; button, 115 pkgs. 35 cs., 25 bbs.; oilbarkum (Ch.), 230 cs.; resin (Port.), 211 cks.

Honey, (N.Y.) 194 bbs. 1,216 cs., (Aust.) 367 cs., (W.I.) 8 cks.

Kieselguhr (Sp.), 400 sks.

Lemon-juice (Sic.), 19 pps.

Lime-juice (W.I.), 19 hhd.

Lithopone (N.Y.), 1,300 bbs.

Magnesite (E.I.), 1,762 bbs.

Monazite sand (E.I.), 600 bbs. 1,200 pkgs.

Oils, essential: not described, (Sp.) 59 x 1/2 cs. 104 cs. 562 x 1/2 cs. 157 x 1/2 cs., (Jv.) 1 cs.; citronella, (Jv.), 37 cs.; lime (W.I.), 6 cs.; palmarosa (B'bay), 10 pots; pine (U.S.), 27 bbs.; turpentine (Swed.) 100 cks., (Port.) 40 drs., (U.S.) 1,647 bbs.

Oils, fixed: coconut, (E.I.) 4,085 cs., (S'pore) 292 bbs., (Amst.) 643 bbs., (N.Y.) 60 bbs., (R'dam) 752 bbs.; cotton, (R'dam) 1,484 bbs. 1,232,833 kilos., (N.Y.) 25 bbs.; palm, (W. Af.) 272 cks., (R'dam) 1,002 bbs., (Amst.) 182 bbs.; rape (R'dam), 644 bbs.; sulphur (It.), 100 bbs.; wood (Ch.), 400 cs.

Perfumery, (N.Y.) 38 cs., (Fr.) 74 cs.

Seeds: canary, (Mor.) 5,665 bbs., (Sp.) 190 sks.; castor (E.I.), 300 cs.; castor (E.I.), 584 bbs.; copra, (E.I.) 1,818 bbs., (S'pore) 6,595 bbs., (W.I.) 1,002 bbs.; cotton, (Fr.) 789 bbs., (B'bay) 3,200 bbs., (S. Amer.) 2,826 sks. 2,992 bbs.; ground-nuts, (W. Af.) 1,550 tons, (Sp.) 1,050 bbs.; illipe nuts (S'pore), 2,817 bbs.; lin, (E.I.) 10,356 bbs., (River Plate) 103,030 bbs.; palm kernels (W. Af.), 38,206 bbs.; soya (Ch.), 1,200 pkgs.

Spermaceti (N.Y.), 100 bbs.

Spices: arrowroot (W.I.), 20 bbs.; cassia (Ch.), 300 bbs. 700 cs.; ginger, (W. Af.) 64 bbs., (E.I.) 200 bbs.; mace (Jv.), 90 cs.; nutmegs (W.I.), 3 pkgs.; pepper, (W. Af.) 132 bbs., (N.Y.) 3,305 bbs., (E.I.) 2,156 bbs., (Jv.) 250 bbs.

Starch, potato (Jp.), 2,240 bbs.

Wax, not described (N.Y.), 710 bbs.

Wax, bees' (Port.) 526 pkgs., (Cal.) 20 pkgs., (B'bay) 15 cs.

Wax, carnauba (N.Y.), 279 cs.

Wax, paraffin (N.Y.), 350 bbs. 2,687 bbs.; (scale), 831 bbs.

Liverpool
(June 16 to 21)

Alcohol (Can.), 65 bbs.

Almonds, (Sp.) 397 pkgs. 200 cs., (It.) 50 bbs., (Port.) 100 cs. 100 bbs.

Barytes (N.Y.), 112 pkgs.

Chemical products, etc.

Barium sulph. (Sp.), 800 cks.

Promides, potash (N.Y.), 21 cs.

Calc. citrate (Sic.), 84 cks.

Calc. phosph. (S. Amer.), 300 bbs.

Hexamine (N.Y.), 10 pkgs.

Lactic acid (U.S.), 600 bbs.

Salol (N.Y.), 10 kgs.

Soda acetate (Can.), 29 bbs.

Soda chlorate (Fr.), 30 cks.

Soda nitrate (Chile), 86,730 bbs.

Sulphur, (It.) 1,401 bbs., (Can.) 90 cs.

Uranium nitr. (Port.), 821 bbs.

Drugs, crude; Broom root (Mex.), 800 bbs.

Canagire root (Mex.), 400 bbs.

Cinchona (Mollendo), 497 bbs.

Cod-liver oil (Halif.), 885 cks.

Jalap (Mex.), 83 bbs.

Liquorice-juice (It.), 20 cs.

Liquorice-root (It.), 23 bbs.

Tuba root (S'pore), 46 bbs.

Drugs, medicines, etc., not described (U.S.), 230 cs.

Dyes, dyeing and tanning materials, etc.; cutch (S'pore), 1,475 cs.; extract, tanning, (Fr.) 610 pkgs., (U.S.) 60 bbs.; chestnut, (U.S.) 369 bbs., (Aust.) 81 cs., (It.) 375 pkgs., (N.Y.) 151 bbs.; gambier (S'pore), 365 bbs.; myrab. (Cal.), 3,400 pkgs., (extract) 3,734 pkgs., (crushed) 4,000 bbs.; sumac (It.), 1,225 bbs. 1,150 bbs.

Glucose, (Can.) 1,256 bbs., (U.S.) 4,500 bbs. 2,506 bbs.

Gums, resins, etc.; copal, (W. Af.) 18 bbs., (S'pore) 100 cs., lac (Cal.) (shell), 50 pkgs., (button) 35 pkgs.; resin, (Fr.) 180 pkgs. 334 cks., (U.S.) 2,871 bbs.

Mineral white (Fr.), 111 bbs.

Oils, essential: anise (Sp.), 30 cs.; bergamot (Mess.), 1 cs.; eucalyptus (Aust.), 8 cs.; lemon (Sic.), 56 cs.; orange (Sic.), 2 cs.

Oils, fixed: coconut, (Cal.) 1,600 pkgs., (S'pore) 582 bbs.

olive (Sp.), 220 bbs. 13 cs.; palm (W. Af.), 2,325 cks.; seal (St. John, N.B.), 370 cks.

Seeds: copra, (W. Af.) 222 bbs., (W.I.) 588 bbs.; ground-nuts, (Sp.) 340 bbs., (W. Af.) 6,207 bbs.; illipe (S'pore), 14,646 pkgs.; palm kernels (W. Af.), 14,285 bbs. 1,170 tons; ucu-huba (B'vil), 158 tons

Starch, wheat (U.S.), 6,680 bbs.

Stearine, (Fr.) 252 bbs., (St. John, N.B.) 100 bbs.

Mineral white (It.), 156 bbs.

Perfumery, drugs, etc. (Fr.), 234 pkgs.

Soapstone, (Fr.) 178 pkgs., (It.) 1,000 bbs.; talc (It.), 500 bbs.

Wax, not described (N.Y.), 102 pkgs.

Wax, paraffin (S'pore), 80 bbs.

Wax, white (N.Y.), 500 bbs.

Manchester
(June 10 to 20).

Barytes (U.S.), 36 bbs.; dextrin (U.S.), 860 bbs.; farina (R'dam), 150 bbs.; formic acid (R'dam), 72 demij.; glucose (U.S.), 120 bbs.; honey (Aust.), 108 cs.; ipecacuanha (Bahia), 23 bbs.; lithopone (R'dam), 200 cks.; oxalic acid (R'dam), 17 cks.; soda nitrate (Fr.), 43 cks.; soda peroxide (N'way), 20 cs.; talc (N'way), 202 bbs.; wax carnauba (B'vil), 174 pkgs.

Southampton
(June 16 to 21).

Bismuth (metal) (N.Y.), 56 cs.; drugs, not described (Fr.), 99 cs.; dyes, not described (Fr.), 585 cks.; gelatine (Fr.), 60 cs.; indigo paste (Fr.), 60 bbs.; lavender oil (Fr.), 5 cs.; olive oil (Fr.), 81 cks. 10 cs.; perfumery (Fr.), 15 cs.; tartar (Chan) Is.), 185 cks.

Seychelles Cinnamon Oil.

In the course of a short article on the planting prospects in the Seychelles, a correspondent in the "Times Trade Supplement" states that a representative of one of the leading chemical firms in this country has recently returned from a visit to Mahé, the principal island of the Seychelles group, where he went to report on the possibilities of the local cinnamon-leaf oil industry. He has reported so favourably that, as a result, an important contract has been arranged between his firm and the Seychelles Rubber and Coconut Plantations Co., Ltd., for a regular supply of the oil extending over a number of years. Special kinds of still apparatus have been ordered and are being made in England for distilling purposes, and directly they are ready for use the oil will be produced on a large scale. As cinnamon-leaf oil enters into the composition of innumerable medicines and chemical mixtures, the future of this industry in the Seychelles is now assured.

Cultivation of Indian Medicinal Plants.

In the course of the annual report on the Bengalinchona plantations, Lieut.-Col. A. T. Gage, superintendent, says that *Ipecacuanha* has been in existence on Mungpoo for many years, but until recently there was no encouragement to extend its cultivation. The experience of the last few years, however, having shown the undesirability of relying entirely on external sources for the supply of emetine, renewed attention has been given to its cultivation. It is a troublesome species to cultivate in the latitude of Mungpoo, and much time and care have to be expended on it. The stock at Mungpoo has recovered to a great extent from the set-back experienced in the winter of 1916, and there are now about 55,000 plants in stock. Over 100 lb. of dried leaf of *Digitalis purpurea* is now available at Mungpoo, and about 30,000 plants have been put out to provide leaf in the spring of 1919. Large extensions of *Chenopodium ambrosioides* and *C. anthelminticum* are being put out on Mungpoo to provide seed for the extraction of the oil used in the treatment of hookworm.

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The Unjust By-law.

SIR,—The undersigned members of the Pharmaceutical Society desire to call the attention of their fellow-members, and particularly those resident in London and the Home Counties, to the Special meeting of the Society called for 2.30 P.M. on Wednesday, July 2, at the Memorial Hall, Farringdon Street, London, E.C. The question before the meeting is a most momentous one and should not be decided without the fullest information; therefore it is incumbent upon all those interested in the Society's future welfare that they should be present at the above meeting. The signatories do not wish to offer any arguments either for or against the by-law, but merely confine themselves to a request that members should reserve judgment and come to the meeting absolutely unpledged and with minds free from all prejudice. Members who attend the above meeting will be enabled to hear both sides of the question, and have every point involved in the matter of the proposed by-law discussed fully.—Yours faithfully,

MARGARET E. BUCHANAN,
J. HARCOMBE CUTE,
W. FRED. GULLIVER,
A. H. JENKIN,
JOHN KEALL,
A. R. MELHUISH,

C. A. NOBLE,
H. RAITHBY PROCTOR,
FRANK A. ROGERS,
W. A. SCOTT,
EDMUND WHITE,
A. J. WING.

SIR,—For the pharmacists who attend the Memorial Hall meeting on July 2 may I call attention to one or two important points? The opponents of this by-law have called no private meeting to propound so-called private reasons why they should oppose its passing. Our meetings and reasons are as open as the noonday sun. It is quite clear, too, that the majority of those who attend the official meeting will be opponents of this by-law, but prestige suggestion may so warp their judgment, as it did in many cases at the annual meeting of the Society, that they may give a verdict which for ever afterwards they will regret. These men, too, will be largely from the stable established class. I should like them to think of all the young men who are coming in, as well as the 2,000 who suspended their studies at their country's call; think, I say, of the trust you are holding for these men. Will you keep the qualification untarnished, or drag it through a muddy compromise, a thing to sneer at? Will you sell the key of our corporate existence for the shadow of peace and miss the substance? Will you gash our body corporate and invite the parasitic infection of the wound which would result in final dissolution? Think! The bargain is made with a mere handful of men representing none but themselves. Can we, when assailed, if this by-law is ratified, refuse the demands of statutory bodies or another Government Department when we have capitulated to individuals. Think, again! The War Office has never yet officially withdrawn its claim for the Army compounders. How can we resist them, when they were the only people who made a clean bargain and admit those who climbed over their shoulders to steal the fruits of other men's labour? How can there be finality with all these hungry mouths unsatisfied? It is a travesty in compromise. I suggest that it is the duty of pharmacists to their comrades in the public services, many of whom have spent years for pharmaceutical welfare, to back them up in this emergency. They are the men who must suffer first. This by-law is a stab in the back; it reduces the public service to a farce, and renders all we have been building to the credit of pharmacy a denial and a sham. May I beg of London men to whom I am not unknown, employers and employes, not to forget the past? Don't be the victims of fears and prestige suggestion, as some of you were at the annual meeting; you

can vanquish fears only by fight. There are 2,000 pharmacists and assistants who stand to suffer if you submit at the behest of these elderly gentlemen. They look to you for protection. Be true to your craft, and keep a clear conscience. I urge you, one and all, vote against this by-law, give a mandate for a clean peace, and refuse everything save a righteous compromise.

Yours truly,

16 Priory, Gardens, N. 6.

HERBERT SKINNER.

SIR,—There is naturally much exasperation among pharmacists when they consider the proposal to register apothecaries' assistants as chemists and druggists without examination, but a certain number—perhaps enough to secure adoption of the proposed by-law—seem to have been persuaded that acceptance is not only inevitable, but a most urgent necessity of the moment. As you have recently pointed out, however, further delay in this matter may be positively beneficial, inasmuch as fuller consideration by the entire body of pharmacists may result in the discovery of some much more satisfactory solution of the serious problem presented to us than is at present available. The affair is being needlessly complicated by the air of mystery which is allowed to surround all explanation of the reasons why the Council of the Pharmaceutical Society felt compelled to make such a by-law, though there is little doubt that the only reason, not yet publicly disclosed, is that someone who is not prepared to avouch the fact has pledged himself to secure adoption of the proposed by-law as it now stands. No real undertaking was given by anyone representing the Pharmaceutical Society in 1908, else why has the then President of the Society, and why have all his associates at that time, continued until quite recent date to assure us that Section 4 (b) of the Poisons and Pharmacy Act was merely permissive? Again, the issue is being confused by comparison with the failure to adopt compulsory Poison Regulations in 1871, sight being lost of the fact that proposals for such adoption were never placed before the members of the Society in 1871. What actually happened was that the Council at that time declined to ask the members of the Society to adopt compulsory regulations, and Mr. Sandford resigned the presidency immediately after the Council had decided to recommend voluntary regulations only. Any breach of faith at that time rested, therefore, with the Council and not with the members of the Society. Equally, at the present time, no one can be held guilty of any breach of faith unless it be someone who has pledged himself without authority to secure adoption of the proposed by-law. It seems fairly certain, however, that a by-law on this subject must be adopted, sooner or later, in order to get this matter settled. Objection to the present draft is based chiefly, except in the case of irreconcilable extremists, upon the fact that it does not appear likely to secure finality, and that the number suggested for the possible additions to the Register it would permit may be largely exceeded in course of time. Attention is also being directed to the further fact that, if Section 4 (b) is obligatory as regards apothecaries' assistants, it must be equally obligatory as regards "qualified Army dispensers." The latest issue of "Square Topics," by Mr. Hugo Wolff, puts the whole matter in a nutshell, and, incidentally, shows how a man of keen business perception was, on reflection, led to change his views as to the advisability of adopting the present proposals as a solution of a problem which must be solved. In all the circumstances, therefore, it is surely desirable that a majority of the members who attend the special general meeting at the Memorial Hall, Farringdon Street, on July 2, should vote against adoption of the proposed by-law, in order that the whole question of complying with the requirements of Section 4 (b) of the Poisons and Pharmacy Act may be reconsidered, with a view to an honourable settlement on a sure and certain basis, inflicting only a minimum of injury on the pharmaceutical qualification, while affording what ought to be regarded as adequate treatment of the claims which impressed Parliament in 1908.

Yours faithfully,

Brondesbury, Middlesex.

JOHN HUMPHREY.

SIR,—I have been greatly interested in the published correspondence regarding the by-law which proposes to admit apothecaries' assistants to the Register of Chemists and Druggists, and was delighted to see that Mr. Hubert B. Figg is acting as Organising Secretary of the Committee that is protesting against this by-law. I heartily congratulate the Committee on taking up this propaganda, and greatly admire their pluck in thus making a bold stand for what they believe to be for the best interests of pharmacists. To those of us who bring an unbiassed mind to bear upon this subject, it seems to be unjust to the public and also unjust to the registered chemist and druggist. The public have for years looked upon a chemist as a man who, by examination, had obtained a certain certificate, which they thought had qualified him to deal wisely with dangerous drugs; hence they have placed their confidence in him, and the registered chemist on his side has spent many laborious hours in study and also paid examination fees to qualify himself for this position. On these grounds alone (if there were no others) it seems unfair to grant men this position simply by payment of a fee, without the usual qualifying examination. One would think that they would gladly sit for the examination, and thus show to the world that they possess the capacity for the position. Exempt them from the fee if you will, but do not in any way minimise the importance of knowledge by forgoing what has always been considered a "necessary examination." I say "Good luck" to Mr. Hubert B. Figg and his co-workers in this propaganda, because we chemists desire an open field and no favour, so that brains shall rule and not cash or influence.

ALFRED PENDERGRASS.

SIR,—I feel I must also protest against the lowering of the status of pharmacy by the Government. Whenever we have to go to Parliament or the Privy Council I find we are always outmanœuvred, and every time we have to give a shilling to gain sixpence. I have always looked upon these excursions like Laocoon the Priest looked upon the Wooden Horse of Troy when he uttered those famous words, "*Timeo Danaos et dona ferentes*." I protest more strongly because, if my memory of that 1908 compromise serves me correctly, the Bill passed through Parliament rather differently to what was afterwards transcribed by those responsible, and, needless to say, the altered wording was to the advantage of the apothecaries' assistants. Several of the Council assured me it was not compulsory, and I was surprised and grieved to hear that we have to haul down our flag a little lower. I maintain it is grossly unfair to the qualified men. Grossly unfair to the unqualified men who have failed in one or two subjects, or who have failed on the aggregate, to feel that these men and women are to be registered for a paltry sum of fourteen guineas, which would be cheap at a hundred, without the time and trouble of preparation. I do sincerely hope that pharmacists will go in a body to, or protest to, the Privy Council, and treat that body as Labour treats the Government—viz., "without conscience," "without scruple," for then, like Labour, they will have their demands granted, for Labour gets all she asks for—just and unjust. Rather than face this humiliation, return the Charter to the Privy Council; let Tom, Dick, and Harry dabble in pharmacy until the coroners' courts are busy with perhaps some of the legislators as victims. Then, I feel sure, a new Pharmacy Act would rise out of the ashes of those of 1852, 1868, and 1908, like the Phoenix of old. If the apothecaries' assistants are admitted they ought not to be admitted as members of the Society, and all duly examined men ought to advertise the fact that they are qualified by the front door of examination, not through the back door of the Apothecaries' Hall by order of the Privy Council.

Yours truly,

West Hampstead, N.W.

ALBAN ATKIN, M.P.S.

SIR,—On Wednesday next, July 2, at 3.30 p.m., at the Memorial Hall, Farringdon Street, London, E.C., the much-discussed by-law will be placed before the members of the Society for adoption or rejection. Every member should make a point of attending this meeting, even if at some personal inconvenience or expense. I am convinced that there is not a pharmacist in the country who has

the honour of his craft at heart that will not do everything in his power to defeat such a flagrant piece of injustice. The officials of the Society who have championed the adoption of the by-law have used as one of their main planks the plea of "Secrecy." This has been nothing but a game of "bluff." There is no secrecy; the facts are as open as the sun. I challenge Sir William Glyn-Jones or any of the supporters of the measure to bring forward anything which is not full public property. We have also been led to believe from official utterances that if the by-law be adopted it will be final. How can this be true while Section 4 (b) remains in the Act? Why, the Army compounders I know are actually at the present moment agreed as to their action, and are waiting their opportunity to force their case on the precedent of the present by-law if adopted. Pharmacists, reject the by-law and chance the consequences. I appeal with all earnestness to members of the Society all over the country to come to London and attend the meeting. Remember we have our birthright at stake. Reject the proposal which, if passed, will hold the qualification of a chemist and druggist up to ridicule. There is an attempt by the officials of the Society to "pack" the meeting, and by these unfair and unscrupulous means to gain the necessary majority. Surely you will admit this is an undignified position for such a responsible body. Rally at the Memorial Hall. Reject the by-law, and once and for all demonstrate that we as pharmacists are not prepared to accept the dictates of the Privy Council.

HUBERT B. FIGG, M.P.S.

SIR,—With reference to the new by-law, I would suggest that every registered pharmacist should send a post-card on the same date to the President of the Pharmaceutical Society, those who are members announcing their intention of voting against it, and those who are not expressing their disgust in clear and unmistakable terms. The new By-law Protest Committee is an excellent step in the right direction, and deserves the support of every working pharmacist. If funds allow, I should like to see the Committee extend its action by sending to the daily Press a series of small articles, written in simple language, on the merits of the qualification, so that the public may be educated to a knowledge of the safeguard that the employment of a qualified pharmacist ensures.

Yours faithfully,

CHAS. HAMUS.

SIR,—Whatever the dramatic secret may be that is to be divulged at the 2.30 p.m. private meeting on July 2, presumably with the idea of producing a kind of mesmeric state upon those present, so that the proposed by-law may not be defeated, the Council is scarcely playing the game with those of us unable to be there. With a matter of such grave importance nothing less than a referendum should decide it. The Council must see that the whole army of pharmacists are against their proposal. Are we to understand, then, that the Council think it best to keep in with the Privy Council rather than keep faith with those whose interests they promised to promote and whose wishes they promised to respect? Sir William Glyn-Jones says the number to be given free certificates is small. He forgets (conveniently) that it is the principle that matters, and if once conceded a most dangerous precedent will have been created. If we give way now, at least all the other apothecaries' assistants will be clamouring for a free certificate, and, with the same wirepullers at work, they would get it. Whatever happens on July 2, the whole Council should resign, from President down, so that the old gang may be given a rest before they further damage the rights of the pharmacist and menace the safety of the public.

Yours, etc.,

Blandford, Dorset.

J. MASON.

SIR,—I note that many pharmacists oppose the proposal to register "certain apothecaries' assistants" upon the ground that it would be detrimental to public safety. Surely this is absurd. The "assistants" eligible for registration are only to be those of long experience. Take my own case. My record runs thus: Five years with a dispensing chemist, three years with medical men, six years as chief dispenser to a large provincial hospital,

seven years as chief dispenser in two large London institutions. Surely I should be as "safe" as the average young "Minor" man. The fact is, this prating about the safety of the public is a calculated "stunt," and no one, least of all the Privy Council, will be much impressed by it. The chemists are afraid that some "Hall" men may start open shop. I can sympathise with this point of view, but they need not worry, as the number would be altogether negligible. My own case is that of many apothecaries' men. I spent five years in the pharmacy of a well-known North-country chemist, four as apprentice, one as assistant. Those five years were quite enough for one lifetime, and I mentally resolved to end my association with the business the day I left that shop. I took the "Hall" examination, and have held good institutional appointments practically ever since. The eligible "Hall" men are not in the least likely to enter the business. After long years of institutional work I do not think shop life would provide either a suitable or desirable environment. Finally, I would say a word concerning those (happily few) who claim that we are not a sufficiently educated body of men to mingle with the elect. Engaging a "locum" is always a speculative affair. Over a long period of years I have given my holiday duties to men possessing either pharmaceutical or "Hall" qualification. Each man came equipped for the work in his own way, but the men who brought along with them the larger number of aspirates were undoubtedly the apothecaries' assistants.

Yours faithfully,

A. W. (Stepney). (199/7.)

SIR.—At the moment when the predominant feeling among pharmacists is one of profound dissatisfaction with the official conduct of pharmaceutical affairs, one welcomes the formation of a By-Law Protest Committee—the evidence in concrete form of this feeling. At the same time, let us realise that a Committee is worthless without the enthusiastic support of the individuals whose opinion it voices. I would, therefore, strongly urge all my fellow-pharmacists to attend the meeting at the Memorial Hall, Farringdon Street, not later than 3.15 p.m. on July 2 to record their vote, thus taking their share of the responsibility as individual members of the Society. It is quite possible that had this responsibility been realised in the past we should not have been faced with the present situation. Let it not, therefore, be said of us in the future that we shirked our share in the shaping of the future of pharmacy.

S. FRANCES EDMOND, M.P.S.

SIR.—Is it now too late to adopt some such method of obstruction of the Pharmaceutical Council with respect to the above as I suggest? Mr. George F. Corral and others have struck out from the shoulder, and why could we not inundate the President of the meeting on July 2 with postcards of protest from each registered pharmacist (Major or Minor)? This plan, if adopted, might have at least as much effect as a signed petition to Parliament.

Liverpool.

H. C. MEXRICK.

SIR.—The mental indolence and inaction of the rank and file (which is reflected in the Council) has brought us to the very brink of disaster, and it is the earnest hope of many that the newly formed By-law Protest Committee will, even in so short a time, be able to organise the opposition to save us from the fall. If we escape with our qualification intact it is to be hoped that we shall realise the danger of going along in the same bad old way of indifference. The new Committee need not weary of well-doing if success crowns its present effort. It could form the rallying point for a progressive movement in pharmaceutical politics. It could form a progressive party, with a programme embodying present needs, and make itself responsible for putting forward candidates for Council elections pledged to the programme, and in the absence of territorial representation the candidates promoted to be answerable to the Executive of the party. We do not want progressive free-lances who, under the subtle influences of reaction, can go astray, but representatives of organised opinion under control where important matters are in the balance. The Secretary of the

Protest Committee is a young man, and has had experience as a political fighter. Here is the opportunity for the younger men in pharmacy to gather round Mr. Figg and enable him to lead a great effort. Pharmacy needs the idealism, the enthusiasm, and the persistence of its more youthful practitioners to set it on the upward way. Without vision pharmacy also will perish.

Yours faithfully,

Birmingham.

EDW. S. FRANCIS.

Pharmaceutical Committee Candidates.

SIR.—I was somewhat surprised, when I received my voting paper for election of the Pharmaceutical Committee for the County of London, to find there were only three candidates over the authorised number, and that those all belong to the South-Western Association. Evidently these candidates have some sound reason for wishing to displace one or the other of the present representatives on the Pharmaceutical Committee. Perfectly true, the correct thing has been done by forcing an election, but why should the Western, Northern, and South-Eastern have a voice in selecting a candidate to represent the panel chemists in the South-Western area? It seems a most unfair procedure, for the reason that the new candidates are unknown to the majority of electors, but the old candidates are well known to the majority; hence, the election is a farce.

FAIRPLAY (196/31.)

The Scottish Federation.

SIR.—The visit of Sir William Glyn-Jones to Scotland shows that if the Pharmaceutical Council have a poor idea of English pharmacists, they still have a healthy respect for the movement of Scottish chemists, who showed the National Insurance Commissioners that they could stand together to defend their profession. I have always advocated an entirely separate body to represent the interests of pharmacists from a commercial point of view, whilst still supporting the Society from a love of the antique. The difficulty is that the Council is mainly composed of gentlemen who move in a super-pharmaceutical plane or in the chemical world, and are not affected by the daily worries of the pen-north-of-pills purveyor, so that the Council members pursue their policy in lofty ignorance of or indifference to the requirements of the small retail man. The average man of energy prefers to use his reserve of "push and go" in his own business, and it is all the more creditable to Messrs. Hines, Skinner, and Wolff that they should spend their valuable time fighting such an uphill battle. I hope to see the time when they will be the leaders of the majority in the Council Chamber.

Yours faithfully,

FEDERAL. (196/91.)

Educational Reform in Ireland.

SIR.—Your report of the discussion on education by the Irish Council will leave most interested readers greatly perplexed. To the North Irish Pharmacists' Association the Council says in effect: "Here we are; push us, and you may get us to do what you want." The North Irish pharmacists have just tried a gentle and respectful push, and the Council says: "That's no push; you must push much harder, very much harder indeed, before we will do anything." Verily, a man may lead a horse to the river, but twenty men cannot make him drink. It would seem that most of those who took part in the discussion accepted the view that the examinations are capable of being improved upon. One, or perhaps two at most, did not accept that view. Mr. Wells seems to think if employers made more of their own galenicals and taught their apprentices to make them, all would be well. I fear Mr. Wells speaks for a past, dead and gone. The idea that pharmacists may save their souls by making tinct. benzoin. co., etc., is not, to say the least of it, inspiring to the present-day pharmacist. The fact is modern pharmacy has soared away out of our reach for ever, and what Mr. Wells wants us to practise, and to be content with practising, is a rule-of-thumb pharmacy which is rapidly disappearing, and rightly disappearing, before a pharmacy which is an exact science. What, then, is the use of telling us that all we have to do to be happy is to "make up our own pharmaceutical preparations"? It is but to

point us to a *cul-de-sac*. I don't think Mr. Wells quite does his courage justice when he tells us to beware of doing anything the medical profession may not like. It may be politic from a business point of view for the individual pharmacist to avoid irritating the neighbouring doctor, but to argue that the Pharmaceutical Council should refrain from any course of action calculated to benefit pharmacists as a body because the medical profession might object to it—to argue thus is, with all respect to Mr. Wells, a futility. If, then, pharmacy is failing the pharmacist, what is the pharmacist to do? That is the next practical consideration. The resolution submitted by the North Irish Pharmacists' Association contains the germ of the answer. If we are losing on the practical pharmacy side, if we are live men we shall seek to balance the loss. We can do so only on the commercial side. The commercial element in our examinations should have been extended long ago. If the Council have not already the power to do what is necessary in this respect, I suggest it is their duty to take immediately such steps as are open to them to obtain that power.

Faithfully yours,
HORSE SENSE. (199/72.)

Legal Queries.

J. M. W. L. (183/35).—Tinct. opii is a poison in Part I. of the Schedule, and must be signed for each time by the customer.

Doubtful (195/55).—ASSISTANT'S NOTICE.—A month's notice on either side is the custom in the drug-trade. Apparently you gave notice, but have been discharged before the termination of the month, in which case you are entitled to the complete month's salary.

W. L. T. (187/16).—MERCURIAL OINTMENT would probably be interpreted by the Courts to mean unguentum hydrargyri, B.P., although the official synonym is "mercury ointment." It is better to spend a few minutes explaining to your customer that for his benefit you are supplying dilute mercury ointment, which is the proper kind for applying to the human body.

F. N. (195/32).—There has been no decision in the Courts that infants' foods and feeding-bottles may be sold when a chemist's shop is closed for the weekly half-holiday. These articles do not appear to come under the exemption of "medicines and medical and surgical appliances," but it may be held that infants' foods are "refreshments," the sale of which is allowed on early-closing holidays.

R. B. (18/6) wishes to know whether it is correct, as stated by the local officer of Excise, that a licence is now required to sell cider in quantities of $4\frac{1}{2}$ gallons or over. [Yes. The Finance (New Duties) Act, 1916, imposed a duty on cider, and gave the Board of Customs and Excise power to make regulations for registering or licensing persons by whom cider liable to the duty is made or sold; and the Finance Act, 1916, passed later in the same year, imposed a licence duty of 10s. annually on persons who sell such cider. This is distinct from the ordinary licence to sell cider by retail, for which the Justices' licence is required.]

Dispensing Difficulties and Notes.

A Camphor Mixture.

SIR,—The following problem in dispensing was submitted to one of the local teachers of pharmacy which emanated from a hospital whose dispensary is presided over by a lady pharmacist:

Camphor	...	...	...	...	5ss.
Sp. vini rect.	...	...	...	...	5ij.
Sacchari	...	...	...	...	5ijss.
Aquæ ad	...	...	...	...	5i.

Capt. 3j. ex aquæ 5ij. bis die.

When dispensed the camphor is precipitated and a divided dose cannot be obtained; the camphor on dilution with the water partly floats on the top, and some sticks to the sides. The addition of pulv. gum. acaciæ gr. xc. corrected all defects, and met with the medico's approval. I found the best way is to mix the gum and sugar in a mortar, add the water, transfer to the bottle, and add the solution of camphor gradually, and shake after each addition.

Yours truly,
A. B. S. (91/9.)

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

W. R. N. (187/45).—BROWN HEEL-BALL.—For filling in the edges of a boot-sole so that a polish can be obtained it is necessary to employ a brown heel-ball. This is made by adding brown umber to a white heel-ball:

Japan wax	...	...	...	6 lb.
Paraffin wax	...	...	...	2 lb.
Brown umber	...	...	...	1½ lb.
Beef suet	...	...	...	12 oz.
Gum arabic	...	...	...	8 oz.
Sugar candy	...	...	...	8 oz.

Mix.

W. B. (182/32).—PERFUME FOR SKIN-CREAM.—We do not think any perfumer would undertake to devise a distinctive perfume for a skin-cream. For one thing, the ideas of the perfumer might not coincide with yours, and you would naturally object to pay for what you considered an unsatisfactory product. We suggest that you should make a study of the subject; you will get an idea of the ingredients used in perfumes from "Pharmaceutical Formulas," or the newly published work, "Gattefosse's 'Agenda du Chimiste Parfumeur.'"

Ajax (189/65).—POLISHING-CLOTHS.—Thick cotton material such as flannelette cut into pieces about 9 in. square is impregnated with the following solution:

Oleic acid	...	...	...	3iv.
Strong solution of ammonia	...	...	...	3iv.
Water	...	...	...	Qj.

After immersion the cloths are wrung out, sprinkled with fine fossil earth, and the powder rubbed into the surface. The cloths are then dried and the superfluous powder brushed off. The dark polishing-cloths require emery powder as the polishing agent, this being employed in place of the fossil earth.

P. H. C. (189/50).—PHOTOGRAPHIC MOUNTANT.—

White dextrin	...	...	...	1 lb.
Distilled water	...	...	...	25 oz.

Mix to a smooth cream, heat on a water-bath until dissolved, make up to weight, and when nearly cool add—

Clove oil	...	...	...	1 dr.
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Pour into jars and allow to set.

G. J. J. (168/11).—A good account of the manufacture and uses of casein is given in the "Second Report on Colloid Chemistry" (Stationery Office, 2s. 6d.). Martin's "Industrial Organic Chemistry" (Lockwood, 21s.) gives useful information about the other products (albumen, etc.) you mention.

L. L. (192/54).—COMMERCIAL MANUFACTURE OF GALENICALS.—This was dealt with in *The Chemist and Druggist Diary*, 1898, and received attention in the larger works on pharmacy such as Caspari's "Treatise on Pharmacy" (Kimpson, 21s.); Remington's "Practice of Pharmacy" (Lippincott, 35s.); and Lucas's "Practical Pharmacy" (Churchill, 12s. 6d.).

Retrospect of Fifty Years Ago.

Reprinted from "The Chemist and Druggist," June 15, 1869

The Register.

The Register of Pharmaceutical Chemists and Chemists and Druggists, which appeared last month, embraces in all some eleven thousand names. We have, of necessity, devoted so much time to the minute examination of this work, having gone through every page for the purpose of correcting our own list, that we have earned the right of criticism. The literal accuracy of the whole, as far as compilation and revision is concerned, is in a work of such a character simply marvellous. We have not discovered a misprint nor a misplaced comma from beginning to end. We have noted the absence of a few names which we know should have been there, but this is the fault of the chemists and not of the registrar. One remark, however, we are bound to make. The work is not a directory, nor can it be used as such except in a most wasteful manner. A firm sending circulars to every name therein would address the same establishment in many cases twice, and in some instances a dozen times over.

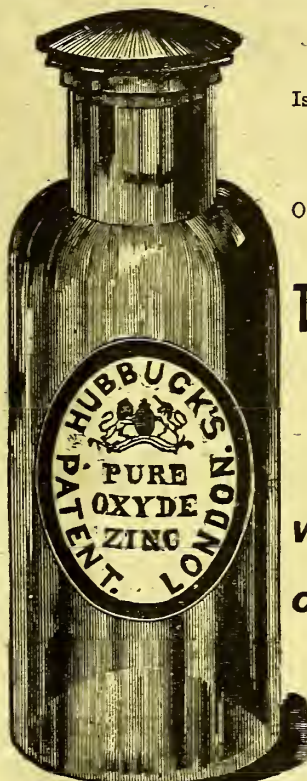
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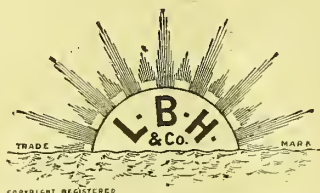
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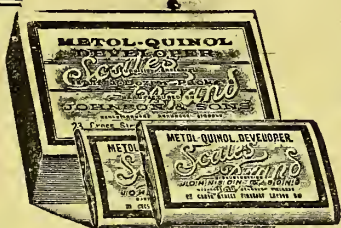
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BISHOP'S PIPERAZINE CITRATE

A REMEDY OF ESTABLISHED AND DEFINITE VALUE

IN GOUT, LUMBAGO, SCIATICA, NEURITIS, GRAVEL, STONE,
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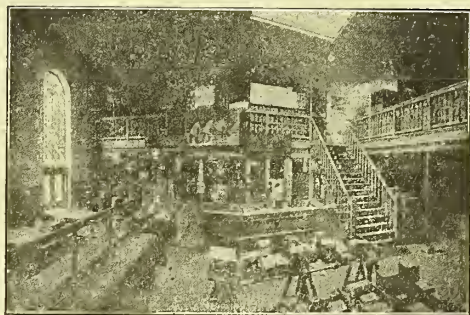
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1/7 1/2 box	" "	1/7 1/2 (3 tab. box)	15/- " boxes
6 1/2 d. tab.	"Carbotar Soap	6 1/2 d. tab.	4/4 " tabs.
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1/-	" "	1/-	84/- "
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4 "	" "	6/-	51/- "
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12/6 " 1/2 " quart jar
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1/7 " 1/4 " pint " jar

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29/- per gallon tin
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2/2 " 1/4 " pint " jar

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15/6 per gallon jar
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**G. C. Starup's Danish Cheese
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STARUP'S REAL DANISH CHEESE RENNET EXTRACT is guaranteed to be made from finest calf vells only, and does not contain Pepsin or other kind of substitute.

Chemists and Druggists, please ask for G. C. Starup's real Danish Rennet Extract, Annatto Cheese Colour and Butter Colour.
PRICES ON APPLICATION.

G. C. Starup's Chemical Works, Copenhagen, K., Denmark.



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IT PAYS the CHEMIST HANDSOMELY to BUY
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£2 Carriage Paid secures the Best Terms.

ADVERTISING MATTER FREE.

Showcards, Infant-Powder Envelopes, Prescription
Envelopes, Billheads, Dummies—an ample supply
will be sent to Chemists only, on application.

FRAME FOOD CO., Food Specialists

(Callard, Stewart & Watt, Ltd.)

Standen Road - - SOUTHFIELDS, S.W. 18



ESTABLISHED 1860.

A Safe & Indispensable Family Remedy

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The foremost place which EUSALINE now occupies in public appreciation amongst Natural Fruit Salines has been won by its outstanding merits.

QUALITIES :

Cooling
Refreshing
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Palatable

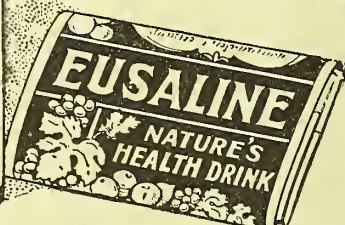
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EUSALINE is unrivalled, it quickly corrects all indiscretions in eating and drinking—sweetens the stomach, cleanses the system and purifies the blood.

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A FAVOURITE WITH CHILDREN.—Its inviting sparkle, pleasing taste and flavour are particularly acceptable to children, who will take EUSALINE when they refuse all other aperients.

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EUSALINE is Retailed at 2/- per bottle, Wholesale price, 18/-, per dozen. Discount 15% and Carriage Paid on £5 orders. Can also be had in boxes containing 13 packets, to retail at 1½d. per packet, and 1/6 per box. Wholesale price, 13/- per gross. Discount 15%, plus bonus, according to quantity ordered. Carriage Paid on £5 orders.



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DISTINGUISHABLE FROM ALL OTHER PREPARATIONS BY ITS GRANULAR FORM, WHICH ENSURES A DEGREE OF MEDICINAL ACTIVITY AND FRESHNESS HITHERTO UNOBTAINABLE.

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CAUTION.—Each bottle from the STATE SPRINGS bears a neck label with the word "VICHY-ETAT" and the name of the SOLE AGENTS:

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DISSOLVES READILY IN COLD WATER

DELICIOUS HOME-MADE
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with the REAL FLAVOUR of FRESH FRUIT.

NO SUGAR REQUIRED

In packets, cartons,
canisters, etc.

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CAMWAL LTD., London, Manchester, Birmingham, Harrogate, Bristol, etc.

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— put in your stock of G.O. Lemonade, now! There will be a demand right through the summer months. Those who sell it know that it literally creates trade.

G.O. LEMONADE

makes a delightful beverage by simply dissolving in cold water. NO SUGAR REQUIRED.

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G.O. Lemonade is packed in attractive Show Outers. Smart Showcards are sent with all orders.

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(1 dozen 6½d. Free in payment for display)			£2 10 0

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(J. MILNER, M.P.S., Proprietor)

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* " " " " " "	1/6		13/-
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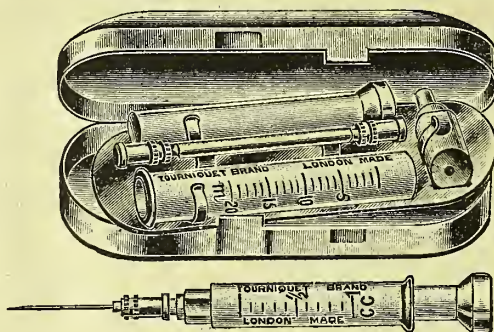
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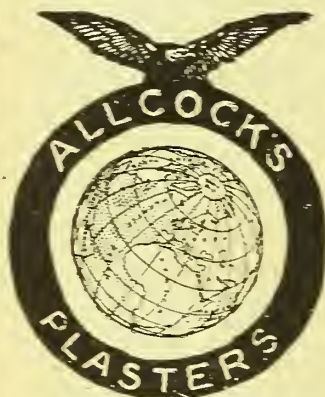
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[See p. 429 "C. & D." Diary, 1917.]

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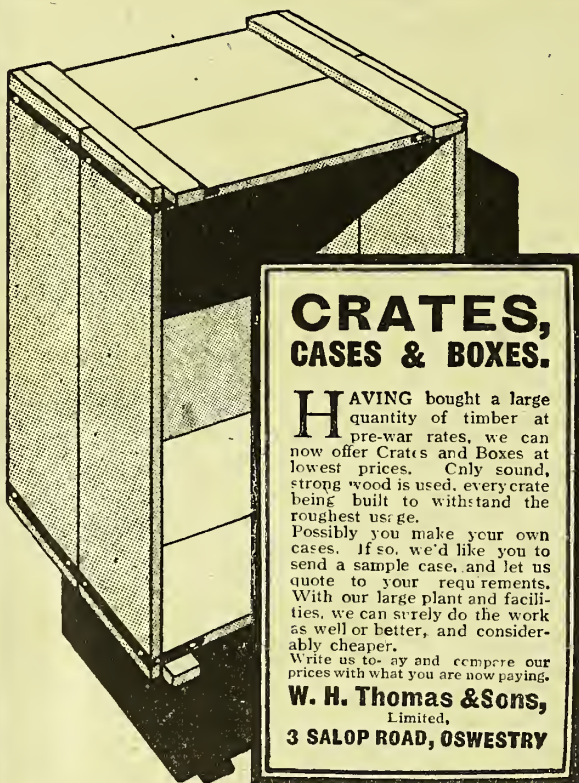
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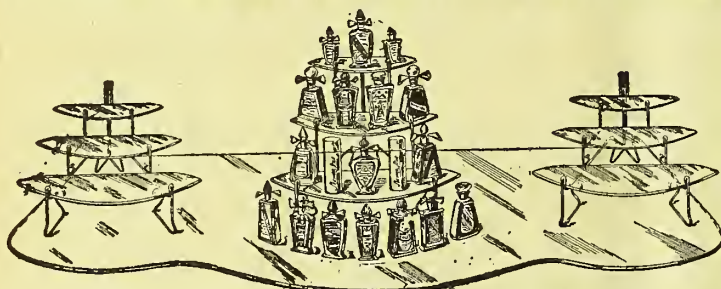
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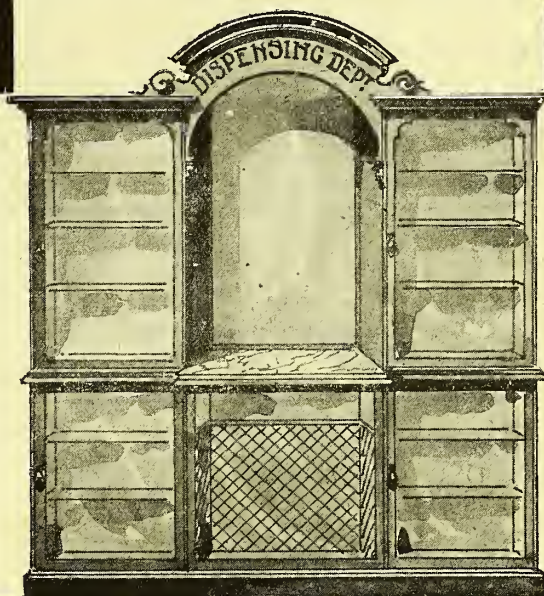
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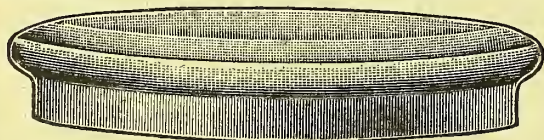
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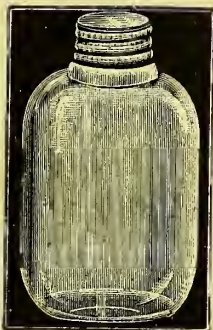
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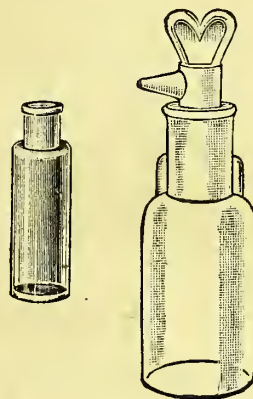
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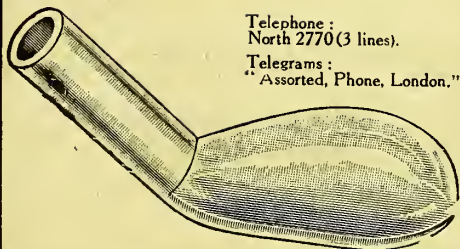
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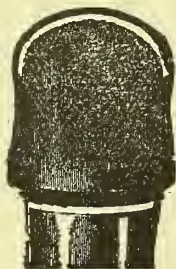


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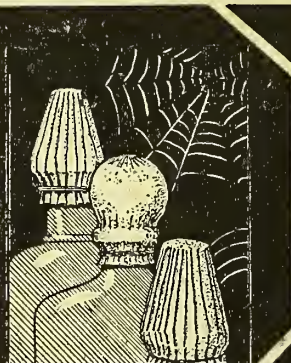
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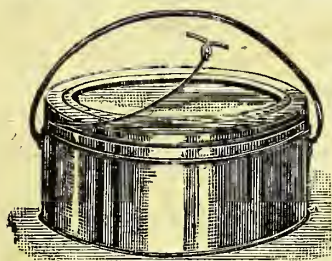
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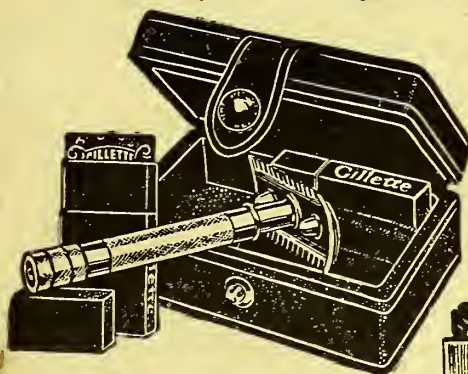
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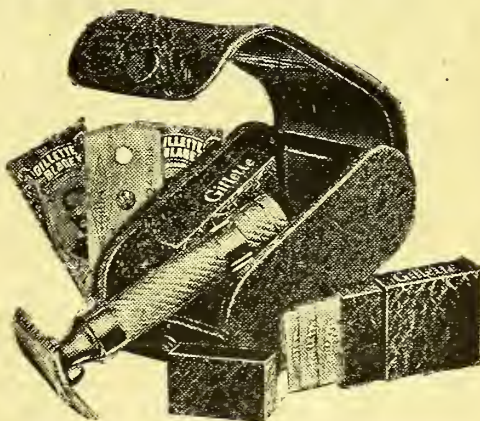
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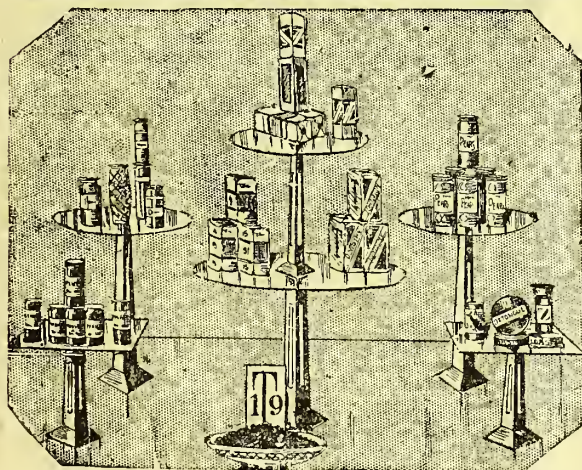
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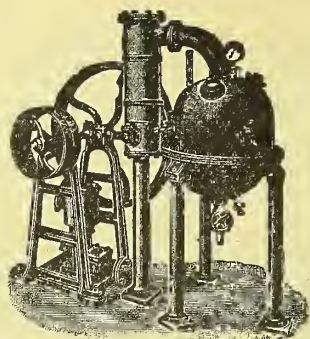
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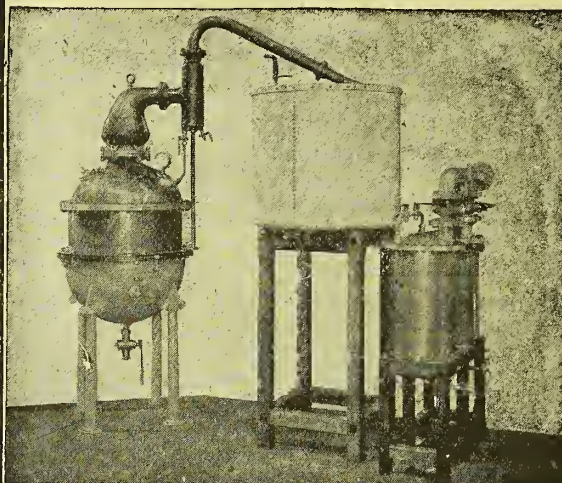
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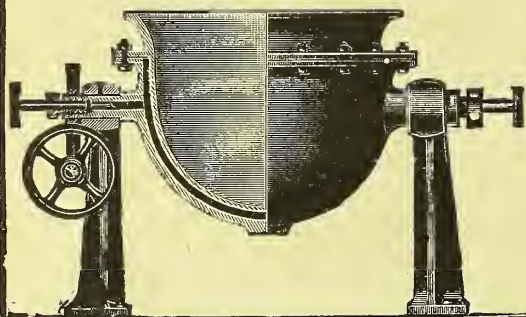
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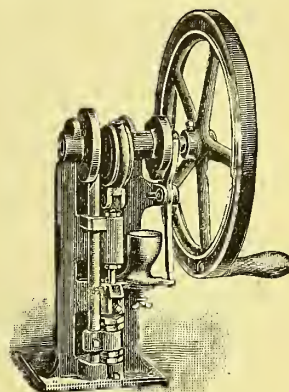
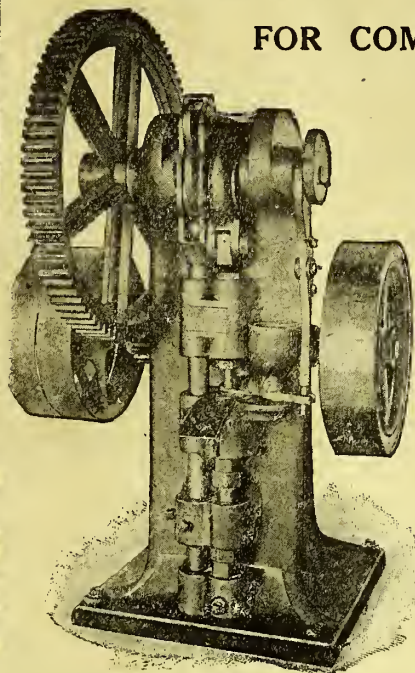
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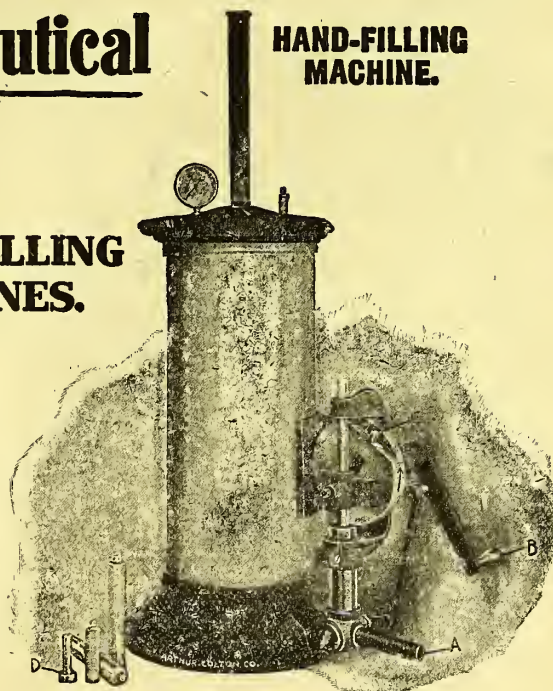
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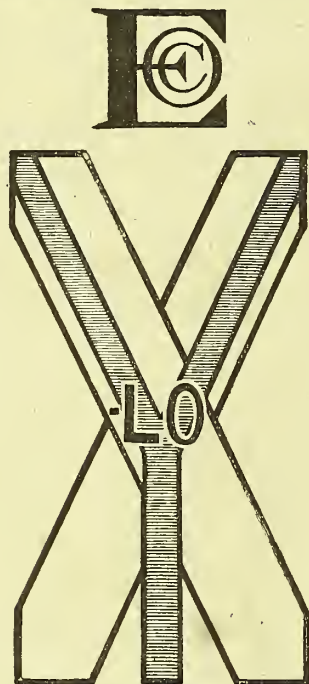
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SOUND Business Wanted; £400 cash down, remainder by quarterly instalments; no Optics or Dental; one with good profits; house attached, good town or seaside. Replies in strict confidence to "Demob." (222/39), Office of this Paper.

URGENT.—Sussex, Hants, Dorset, Devon Coast preferred, not essential; Pharmacist desires to purchase a Business; returns £1,000 to £2,000; Dispensing, General Retail, or Agricultural; town or country; neglected business or Drug Stores not objected to; cash available; replies treated in confidence. "Cæsar," c/o Marchant, Chemist, 36 High Town, Hereford.

WANTED by Pharmacist (demobilised), sound Retail and Dispensing Business in or near West of London; cash available £300-£400; living accommodation necessary. Full particulars, in strictest confidence, to A. Lawrey, 11 Penare Terrace, Penzance, Cornwall.

WANTED, sound middle-class Business; North of England town preferred, but not essential; good country business considered; £1,500 to £3,000 turnover; with or without living accommodation; cash ready; bank reference; all replies answered. Full particulars, in confidence, to "North" (225/9), Office of this Paper.

£1,000 CAPITAL; genuine Light Retail Dispensing Business in nice town, middle-class neighbourhood; good living accommodation; Southern county; one with scope for increase, showing 25-30% net income on proper balance-sheet; terms, valuation stock and fixtures. small goodwill; would manage with view to succession. Apply 222/34, Office of this Paper.

FOR SALE.

4s. 6d. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

COMPLETE Shop Fittings for Sale: 7 ft. Dispensing Counter and Screen; 8 ft. Serving Counter, glass-door cases in front; 8 ft. Drug Drawers and Wall Fittings; 7 ft. Wall Cases; Window Enclosure Fittings, with glass doors, brackets, and plate-glass shelves; Shop Rounds, Jars, Scales, etc. W. H. Harris. 2 Nelson Road, St. Thomas, Exeter.

CONTENTS OF SURGERY.—Analytical and Laboratory Apparatus, Bottles, Instruments, Drugs, etc., for immediate Sale; to be seen at Bristol. Apply "Doctor," c/o Mr. W. B. Challenger, Pharmacist, 54 Cotham Hill, Bristol.

FOR Sale, as a going concern, the business of Chemist and Druggist, lately carried on by the late Matthew James Todd at Earsdon Road, Shiremoor. For particulars apply C. E. Layne, Solicitor, 50 Grainger Street, Newcastle-upon-Tyne.

POUCH, seven Dental Instruments, little used, 4 upper, 6 lower. Impression trays; $\frac{1}{2}$ lb. Modelling Wax and Knife; Hunter's "Mechanical Dentistry"; Urinometer and Glass in case; 5-grain Marble Slab Pill Machine; Pestles; Mortars; $1\frac{1}{2}$ lb. each Sugar Red, Saffron Yellow, Aniline Red, Green, Violet-Blue, smaller quantities others; offers for small quantities or lot. 3 Eagle Street, Pennfields, Wolverhampton.

SALE, Dispensing Counter, 6 feet long, four showcases at sides. sponge case and mirror in centre, 3 sets drawers 6 feet each. glass knobs and labels, mahogany fronts; wall case, 8 feet, folding bent cases in centre; above are best workmanship and handsome designs. J. Ettles, Newington, next Sittingbourne.

SODA-WATER Fountain for Sale, complete with reducing valve and pressure gauge, germ filler, etc. Apply 219/102, Office of this Paper.

TO clear; no offer refused; whole or separate lots: $\frac{1}{2}$ oz. each of Veronal (Bayer's), Iodol, Exalgine, Guaiacol Carbonate; 2 oz. each of Lupulin, Pulv. Scamon Resin, Gum. Opil Turc., Antim. Tart., Salicine, Zinc Valerian., Chinosol, Sulphonol (Bayer's); 1 oz. each of Pulv. Chrysarobin, Aurine, Iodide of Sulphur, Protargol; 4 oz. each of Tr. Hydrastis, Ext. Hydrastis Liq., Acetanilidum, Naphthol Beta, Acetone; 2 lb. each Pulv. Glycyrrh., Pulv. Sapo. Animalis, Pulv. Paraffin. Dur.; 8 oz. each of Spts. Ammon. Foetid, Camphor Globules; 2 1 oz. Cellotropen (Zimmermann's); 1 drachm Aconitina; various Munyon's Homoeopathic Remedies; Ashton & Parson's and Leath & Ross's Homoeopathic Tinctures and Pilules; $\frac{1}{2}$ doz. 2s. 9d. Bayer's Irocoze; $\frac{1}{2}$ doz. 1s. 6d. Lamplough's Pyretic Saline. Melville Thomas, The Square, Neath.

PARTNERSHIPS.

LADY, with full knowledge of Bookselling, Stationery, Library, etc., capital £300 to £400, wishes to meet with lady Dispenser with capital, to buy combined business; near London or South of England preferred. Apply 201/10, Office of this Paper.

WANTED, a Welsh-speaking Pharmacist with capital as a Partner, for unopposed businesses in mining district in South Wales; safe investment; all communications will be treated in strict confidence. Reply "Citrai" (220/8), Office of this Paper.

PREMISES WANTED.

REQUIRED (shortly) a small Factory in or near South London, suitable for Wholesale Manufacturing Druggists. Full particulars to 223/21, Office of this Paper.

SMALL Factory or Workshop, suitable for manufacturing Light Chemicals, required in or near London; an outbuilding or a large unoccupied room in a factory would suit. Apply 206/1, Office of this Paper.

AGENCIES.

4s. 6d. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

IRELAND.—Established firm of Wholesale Druggists, with extensive warehouses, desires Sole Agencies for reputable and well-advertised Specialities, Patent Medicines, Foods, Synthetics, Dressings, Toilet Articles, or other Drug-Store Lines; would entertain acting as Depot for unstamped Medicines or other goods; modern business methods; ground thoroughly covered; under personal supervision; interview can be arranged. Write "M. M." c/o Messrs. H. P. Brandon & Co., Ltd., Chartered Accountants, Donegall Square, Belfast.

IRELAND.—Established firm of Wholesale Druggists, with extensive warehouses, desires Sole Agencies for reputable and well-advertised Specialities, Patent Medicines, Foods, Synthetics, Dressings, Toilet Articles, or other Drug-Store Lines; would entertain acting as Depot for unstamped Medicines or other goods; modern business methods, ground thoroughly covered; under personal supervision; interview can be arranged. Write to 213/2, Office of this Paper.

IRELAND-IRELAND.—Two business men, travelling throughout Ireland, 16 years' experience, calling on Chemists' Druggists, etc., open to accept two additional Agencies on commission only. Apply "Emerald" (223/27), Office of this Paper.

PORTUGAL.—Well-established firm at Lisbon with very good connection among dealers in Chemicals and Drug Products desires to Represent first-class houses manufacturing Ink Powders, Chemical Colours, and Chemical Products generally, for all industries; successful results guaranteed; good references. Address 17/15, Office of this Paper.

SOUTH AFRICA.—Representative, 15 years' experience, is visiting this country for well-known English company, and is desirous of obtaining additional agency for Chemicals and Stores; commission and part expenses. Apply "A. T. A. P." c/o Fletcher, Fletcher & Co., Ltd., Holloway, N.

ADVERTISER, having big connection with leading merchants throughout Newfoundland, is open for another line; first-class references. Address "Newfoundland," Wm. Porteous & Co., Advertising Agents, Glasgow.

AGENTS wanted, calling on Chemists, Hairdressers, and Stores, by Manufacturing Perfumers for London and provinces, on commission basis; good prospects for right man. Full particulars in confidence, and ground covered at present, to 223/19, Office of this Paper.

CHEMISTS-IMPORTANT.—An excellent line for the Photographic Department. Water-colour Enlargements and Miniatures (artistic work) made from any photograph at a very low rate to the public, leaving a profit of over 32½%; very attractive showcases, with specimens supplied; Agents required for country towns and district. Write to Westbourne Studios, Ltd., 25 Westbourne Grove, W.

COMPETENT Agents already calling upon Chemists will find excellent opportunities in a profitable side-line of particular interest to Chemists and Druggists. Write in confidence for vacant Agencies to Henry Miller & Co., 32 Trinity Square, E.C.

THE Anglo-French Drug Co., Ltd., desire to inform the trade that they have opened a Branch in Paris with large stock-rooms. They are therefore now in the position to offer their unique experience in introducing British goods and Specialities into France, and would be pleased to receive proposals as to sole Agencies. The Company would also act as Buyers in France for British and Colonial firms on a small commission basis. Proposals, etc., which will be treated confidentially, to be sent to the Head Office, Gamage Buildings, Holborn, London, E.C. 1.

TRAVELLER, working Ireland, resident in Dublin, extensive experience and sound connection amongst Chemists and Druggists, open to negotiate with one or two firms desiring representation here; personal interview; England or Scotland shortly. Apply 206/33, Office of this Paper.

TO MANUFACTURERS.—Are you prepared for the after-war trade? A well-known Representative, having a connection throughout the U.K. amongst the Wholesale and Export houses, is desirous of securing Agencies; showrooms and offices situated in the heart of the City of London. Write in first instance to 219/20, Office of this Paper.

WELL-KNOWN French Pharmacist, with first-class business connections, proprietor of important Pharmacy in Paris, well acquainted with the difficulties of French legislation, and the exploitation of foreign specialities in France, is prepared to put on the market in France the specialities of a reputable English firm. Address 219/17, Office of this Paper.

15 PER CENT. commission on all orders from your customers for an attractive s.d.e. line selling at sight; splendid display matter, and carriage is paid on orders of £1, showing 40 per cent. profit on sales; repeats follow rapidly; travellers with good connections. Apply 224/20, Office of this Paper.

SITUATIONS OPEN.

4s. 6d. for 50 words or less; 8d. for every additional 10 words or less, prepaid.

RETAIL.

ABERDEEN.—Qualified Manager required for Light Cash Retail Dispensing business. Apply J. Milne, M.P.S., 33 Rosemount Viaduct, Aberdeen.

BATLEY CO-OPERATIVE SOCIETY, LTD.—Wanted, a fully qualified Chemist to take full charge of the Society's Drug and Dispensing Department. Applications, stating age, experience, and salary required, to reach the Secretary not later than first post on Monday, June 30.

BIRMINGHAM.—Qualified Manager required for business situation in a working-class district; excellent opening for a man who has had experience in similar business; some heavy trade; good terms offered. Apply 222/900, Office of this Paper.

BIRMINGHAM MUNICIPAL TECHNICAL SCHOOL.

Applications are invited for the following vacant posts. In addition to the salary indicated there is at the present time a war allowance of £78 per annum.

Teacher in Pharmacaceutics. Salary £300.

Demonstrator in Pharmacaceutics. Salary £200.

Further particulars may be obtained on application to the Secretary, Municipal Technical School, Suffolk Street, Birmingham.

BRISTOL.—Qualified Manager required in medium-class Light Cash Retail branch, with N.H.I. Dispensing, in pleasant suburb; one desiring permanency preferred, or temporary Manager would be considered. Please state usual particulars to C. A. Stokes, M.P.S., Chemist, 31-35 Lower Castle Street, Bristol.

BRISTOL.—Qualified or unqualified Assistant; good Counter-man and up-to-date Window-dresser most essential; to a thoroughly competent and reliable man a most comfortable berth. Apply, with full particulars, age, height, etc., salary required, to Fatty, Chemist, Brislington, Bristol.

CARDIFF.—Improver or Junior wanted. Apply, with references, salary required, and other particulars, Frank Edwards, 46 Cardiff Road, Llandaff.

CARDIFF.—Manager wanted, qualified, single; good Counterman. Apply, with two references, salary required, etc., Frank Edwards, 46 Cardiff Road, Llandaff.

CHARING CROSS HOSPITAL, Agar Street, W.C. 2.—Required, from August 5, qualified Assistant Dispenser (male); salary £175. Applications, giving full particulars as to age and experience, to be addressed to the Secretary of the Hospital, marked "Dispenser."

EALING, W.—Qualified or unqualified Assistant required; easy hours; no Sunday or holiday duties; good situation for reliable man; references must be unimpeachable. Apply, with full particulars, to J. T. Brown, 66 The Broadway, Ealing, W. 5.

HALIFAX.—Unqualified Junior Assistant required in good-class store business; good Counterman and Window-dresser; hours 8.50 to 7, 1 Thursday, 8 Friday and Saturday, no extra or holiday duty. Apply, stating salary, age, and references, to Taylors (Northern), Ltd., 4 Crown Street, Halifax.

KENSINGTON, W.—Assistant; hours 9-8; state salary. Apply 226/18, Office of this Paper.

LANCASHIRE INSURANCE COMMITTEE.**PRESCRIPTION PRICING DEPARTMENT.**

Wanted, Head Woman Pricer in Prescription Pricing Bureau. Commencing salary £150 per annum. Applications, accompanied by copies of three recent testimonials, should be sent to the under-mentioned address, and received not later than the 7th July, 1919.

Clerk to the Lancashire Insurance Committee,
1 Fishergate Hill, Preston.

LEEDS.—Capable Assistant wanted for good-class Retail and Dispensing business with Photographics. Apply, stating salary, and giving full particulars of experience, to M. E. Murray, 221 Woodhouse Lane, Leeds.

LONDON.—Qualified Assistant wanted; must be good and obliging Salesman; knowledge of Photography and Continental Pharmacy desirable. Apply "Secretary," Shadforth Prescription Service, Ltd., 49 King William Street, E.C. 4.

LONDON.—Qualified Managing Assistant wanted for a brisk business; good salary and prospects to an up-to-date man not afraid of work. Apply (by letter), with full particulars, to Henry, 11 Leppoo Road, S.W. 4.

LONDON, S.E.—Assistant wanted, permanency, Managership later; knowledge of Photographic trade essential. Apply, stating salary required and usual particulars, 219/39, Office of this Paper.

LONDON, W.—Junior Assistant (male) required in good-class Dispensing and Retail business; must be a reliable Dispenser. Apply, with full particulars of experience, etc., and salary required, to G. W. Gray, 194 Holland Park Avenue, W. 11.

LONDON, W.—Wanted, a competent Assistant for good-class Dispensing and Retail (outdoors). Apply, with full particulars and salary required, to F. J. Hicks, 3 St. Mary Abbot's Terrace, Kensington, W. 14.

MANCHESTER.—An unqualified, experienced Assistant required for the Retail Counter of a high-class business. In replying give full particulars to 222/21, Office of this Paper.

MANCHESTER—SALFORD.—Qualified Manager required for good Retail and very small N.H.I.; comfortable position. Apply, giving full particulars as to age, experience, salary expected (or salary and commission), etc., to 219/34, Office of this Paper.

MANCHESTER.—Part-time Assistant, lady or gentleman, one or two hours every evening, for Dispensing and Light retail work. Please state, in first letter, experience, references, qualification (if any), and salary required, to W. Edwards, Chemist, Old Trafford, Manchester.

MIDLANDS.—Qualified man (single) required to undertake relief for holidays of Managers; permanency if satisfactory, with excellent prospects. "Mid" (222/90), Office of this Paper.

NEAR BIRMINGHAM.—Elderly qualified man required; must be active, and be a capable Dispenser; comfortable and permanent berth. "W." (222/901), Office of this Paper.

NEAR MANCHESTER.—Wanted, qualified Assistant; either sex; Counter experience necessary. State age, experience, and salary required, 219/10, Office of this Paper.

NEAR MANCHESTER.—Qualified Assistant to take charge of branch; must be a good Salesman and Manager. Please state age, height, details of experience, and salary required, 219/100, Office of this Paper.

NEAR MANCHESTER.—Lady Assistant required for Retail and Dispensing business; previous Counter experience absolutely necessary. Address, stating age, experience, salary, etc., to 219/101, Office of this Paper.

NEWPORT, MON.—Unqualified Assistant required (immediately); must be a good Counterman and Dispenser; permanent and progressive berth. "Newport" (222/9), Office of this Paper.

NORTHAMPTON.—Wanted, male Assistant; must be used to high-class Dispensing; four kept; good salary to competent man (outdoors). Apply McKinnell, Chemist, Northampton.

PORTSMOUTH MUNICIPAL COLLEGE.

Principal: Oliver Freeman, Wh.Sc., A.R.C.S., B.Sc.

Applications are invited for the following appointments at September next:—

CHEMISTRY AND NATURAL SCIENCE DEPARTMENT.

Two Lecturers for Chemistry. In one of the appointments a teaching knowledge of Pharmacy will be a recommendation.

One Lecturer for Pharmacy. A teaching knowledge of Chemistry and Botany will be a recommendation.

One Lecturer in Natural Science.

Salary: £200—£10—£250, then by £25 each four years to maximum of £350

(The commencing salaries in the scale will be fixed according to the candidates' qualifications and experience.)

Application form and further particulars may be obtained by forwarding an addressed foolscap envelope to the Secretary, Offices for Higher Education, Municipal College, Portsmouth, to whom applications should be returned as early as possible, accompanied by copies of not more than three recent testimonials.

H. E. CURTIS,

Secretary.

S. 21/6/19.

SHEFFIELD.—Qualified Assistant to Manage Branch, Light Retail and Dispensing. State age, experience, salary required, etc., F. Medley, Pharmacist, 500 Barnsley Road, Pitsmoor, Sheffield.

SHEFFIELD.—Unqualified, for quick Cash trade; outdoors; no Sunday duty; must have slight knowledge of Photography; please give full particulars of experience, age, salary, etc., in first letter. H. G. Williams, 118 The Moor.

SOUTH WALES.—Qualified Manager required early; N.H.I. Dispensing and good Retail; easy hours; no Sunday duty; bilingual preferred, but not essential. Please give full particulars of age, references, and salary required to George & Co., Ltd., 161 Bute Street, Treherbert, Rhondda, Glam.

UNIVERSITY COLLEGE HOSPITAL, GOWER STREET, W.O. 1.—Part-time Assistant Dispenser, holding Pharmaceutical Society's qualification, required for evening duties; salary £100 per annum. Apply to C. H. Hampshire, Pharmacist.

WEST END.—Qualified Senior for Dispensing and Counter; also two unqualified Assistants, single men, with knowledge of French and previous West-end experience preferred. Apply, with full particulars, and stating salary required, to Box 72, c/o Mather & Crowther, Ltd., 10-13 New Bridge Street, London, E.C. 4.

YORK.—Wanted, competent Assistant, accustomed to good-class Retail and Photographic; energetic, up-to-date Counterman and Window-dresser; no Bank Holiday or Sunday duty, and no N.H.I. State age, height, experience, and salary required (outdoors), and enclose photo, to Brown's Drug Co. (O. M. Brown, Chemist), High Ousegate, York.

YORKSHIRE.—Qualified Assistant required for good-class country business in healthy and pleasant part of Yorkshire; Dispensing and Photographic, little N.H.I.; hours 8.30 to 7, Thursdays 1, Saturdays 8.30, no extra duty; comfortable permanent berth; good salary given to steady, willing, and industrious man. Please send full particulars and photo if possible to "Country" (220/13), Office of this Paper.

A CAPABLE, qualified Assistant required with good business qualifications and up-to-date experience; age not under 24. Apply, with all particulars and photo, stating salary required, to Alfred Bond, Pharmacist, Newquay, Cornwall.

A SSISTANT wanted for Light Retail business; comfortable and easy berth for an elderly man; easy hours, no Sunday duty; please state salary (outdoors) and full particulars. Heppenstall, Chemist, Goole.

A SSISTANT (outdoors); one accustomed to modern Retail, Dispensing, and Photography; single, abstainer; hours 9 to 8, alternate Sunday evenings 6 to 8. Apply William R. Hoare, The District Pharmacy, 37 Station Road, Harlesden, N.W.

A SSISTANT wanted for July, August, September; must be competent; qualified or unqualified. Full particulars to Finn, Chemist, 193 Battersea Park Road, S.W. 11.

D ISPENSER, lady, Locum, qualified, wanted, with Hospital experience, for the last week in August and first week in September at the Isleworth Infirmary, Middlesex. Apply (immediately) to Dispenser.

D ISPENSER wanted for an Institution in Edinburgh, fully qualified Dispenser to take sole charge of ordering and Dispensing Drugs and Dressing for indoor and outdoor departments. Apply, with testimonials, to Box 194, Robertson & Scott, Hanover Street, Edinburgh.

D UCK & SON require an Assistant; neat and accurate Dispenser. Apply, stating age, height, experience, and salary required (outdoors).

E VENING Assistant wanted; Monday, Wednesday, Friday, and Saturday; Dispensing and Counter. Baker, Chemist, 161 New Cross Gate, S.E.

J UNIOR Assistant required (immediately) for high-class West-End Dispensing business; reasonable hours and sound progressive salary to suitable man. Apply, with full particulars in first letter, to Rees, 62 South Audley Street, Grosvenor Square, W.

J UNIOR or Improver (outdoors); short hours, no Sunday duty; good opportunity to gain Retail and Dispensing experience; state age, experience, and salary required, with photo if possible. Hatfield & Son, Limchouse, London.

J UNIOR, young, for good-class Dispensing and Counter. G. A. Harmer, Eastbourne.

J UNIOR Assistant required; accustomed to good-class business, with a knowledge of Photography; hours 8.30 to 6, Wednesdays 1 p.m. Apply, stating experience, salary expected (outdoors), and usual particulars to W. J. Gradidge, Lansdowne South, Andover.

J UNIOR Assistant (male) for quick Retail and Dispensing business; hours 9 a.m. to 8 p.m., Saturdays 9 p.m., one day off per week; must be energetic and willing to work; good salary to right man. Apply 225/27, Office of this Paper.

L OCUM required; elderly; preferably first or second week July, if possible, for 2 or 3 weeks, for country business; reasonable terms (outdoors), which please state in first letter; half-day weekly; no Sunday duty. Apply 223/39, Office of this Paper.

L OCUM required (immediately) for a month. Duck & Son, Chemists, Cardiff.

M ANAGER, qualified, for middle-class Retail with N.H.I. and some Photographic and Agricultural; comfortable progressive permanency to capable and energetic man. Apply (immediately), stating terms and fullest particulars (photo if possible), Central Pharmacy, Millom, Cumberland.

M ANAGER (qualified) for branch; easy business; suit discharged soldier; lock-up shop; state age, references, and salary required; wanted at once, or within two months. Apply 226/70, Office of this Paper.

M ESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist; easy hours; good and progressive salary, with excellent prospects; free removal.

P ERFUMERY.—Young lady wanted for Perfumery and Toilet-articles Counter; also Apprentice for same business. Apply Holt Green & Co., Chemists, South Kensington Station, S.W.

Q UALIFIED Manager wanted (immediately); must have knowledge of Photography and a good organiser; salary £260 per annum and commission. Address "Cynchora" (221/39), Office of this Paper.

Q UALIFIED Manager for branch; pleasant healthy country district; reasonable hours, no Sunday duty; a comfortable and permanent berth for an energetic man with good references; one able to Extract preferred; good salary and commission on Dentistry; can commence any time. Hughes & Sons, Dental Chemists, Abercarn, Mon.

Q UALIFIED Manager for a branch shop in busy locality; industrial; hours easy, and usual time off. Please state salary required and particulars to 65 Rustlings Road, Sheffield.

Q UALIFIED Assistant, capable of taking charge; also Junior for same business; good-class Retail and Dispensing. Full particulars please, stating salary (outdoors), etc., Litchfield, Farnborough, Hants.

Q UALIFIED Manager and Buyer required for good-class Dispensing and Retail business; house provided, electric light. Apply, with full particulars, Spencer & Moore, Ltd., 137 Oxtou Road, Birkenhead.

Q UALIFIED Manager required for good middle-class business; S.W. District; N.H.I. Dispensing; state full particulars, references, salary, etc. "C." (224/21), Office of this Paper.

Q UALIFIED Assistant for N.H.I. Dispensing and General Retail; quick cash trade; competent and steady; able to take charge when required; easy berth; outdoors; London, E. Please state terms and usual particulars to "Director" (226/6), Office of this Paper.

R ELIABLE qualified man required; good-class country business; easy hours; no books; to take charge for nine months. State salary and usual references, 225/31, Office of this Paper.

R EQUIRED, by middle of July, a capable and reliable unqualified man (outdoors); must be accustomed to good-class Dispensing business. Please give full particulars as to experience, salary required, etc., Barnes & Marsh, 194 Upper Richmond Road, Putney, S.W. 15.

S AVORY & MOORE, LTD., Lancaster Gate, London, W. 2, require the services of a qualified Assistant (gentleman); age not over 35 (outdoors), with first-class Dispensing and Counter experience. Full particulars to the Manager.

U NQUALIFIED Assistant required for good country business; must have good references. J. Gelsthorpe, Long Eaton.

U NQUALIFIED Assistant for good-class Retail and Dispensing; London suburb; outdoors. Apply, giving references and salary required, to "Chemist" (225/6), Office of this Paper.

W ANTED, Assistant for N.H.I. Dispensing and Light Retail (outdoors). A. Fryer, 75 Nevill Road, Stoke Newington, N. 16.

W ANTED, qualified Assistant, either sex; Counter experience necessary; must be energetic and reliable; hours of business 8.30 to 7, Saturdays 8, half-day holiday, no Sunday duty. Apply, giving full particulars as to references, experience, and salary required, to Moores (Chemists), Ltd., Freeman Street, Grimsby.

W ANTED, Locum (lady), qualified, for 3 weeks commencing July 14th; one with knowledge of Sputum work preferred; hours 10 to 5, Wednesday and Saturday 10 to 12; no Sunday duty. Apply, by letter, to the Secretary, Tuberculosis Dispensary, 135 Bow Road, E. 3.

W ANTED, qualified Manager for Retail and Dispensing business. State full particulars, experience, age, salary, references, and when disengaged, to "Beta," c/o James Woolley, Sons & Co., Ltd., Victoria Bridge, Manchester.

W ANTED, Junior Assistant; three kept; hours 9 to 8, half-holiday weekly, no Sunday duty; outdoors. State full particulars, with salary required, Jones, Pharmacist, Thayer Street, Manchester Square, W.

W ANTED (at once) for a good-class country business, a gentlemanly Assistant as Manager; age between 30 and 40; good Prescriber and Dispenser essential; kindly state experience and salary required (preferably indoors). Apply in first place to Messrs. Meggeson & Co., New Church Street, S.E.

W ANTED, qualified gentleman for an easy berth; duties light; hours short; usual half-day and no Sunday duty; very healthy district and most picturesque country. Apply, with full particulars, to "Sulphonal" (224/27), Office of this Paper.

WHOLESALE.

4s. 6d. for 50 words or less; 6d. for every additional 10 words or less, prepaid.

C ITY house requires Typist, used to Dictaphone, for correspondence work; knowledge of Shorthand also an advantage. Apply, giving full particulars, 194/68, Office of this Paper.

D ARLINGTON.—Assistant for Wholesale Department required; good Stockkeeper; abstainer preferred. Apply, stating age, experience, and salary required, Waters, Chemists, Darlington.

L ONDON Manufacturing firm have a vacancy for young man of good appearance and address as outdoor Representative at first, eventually a good position inside. Apply 196/56, Office of this Paper.

A DVERTISER in Lancashire has positions, Wholesale experience necessary, for (1) Wet Hand, capable of control and despatch, (2) Drug Stockkeeper, (3) Juniors (male), with some knowledge of the Drug trade; state wages; applications containing full particulars replied to only. Apply 226/141, Office of this Paper.

C HEMIST and Work's Manager required by small Wholesale house in the North; must be capable, experienced, and thoroughly understand the Manufacture of Preparations sold by Wholesale Druggists; a knowledge of Compressed Tablet and Lozenge making an advantage; salary £350-£450 per annum; state age and full details of previous experience. Apply 222/26, Office of this Paper.

COMPRESSED-TABLET MAKERS—Thoroughly experienced man required, well up in the manufacture of Compressed Tablets and able to construct his own formulae, one desiring a permanent position, state previous experience, age and salary expected. Apply 222 1/2, Office of this Paper.

ENQUIRY and Milling Clerk wanted by firm of Manufacturing Chemists in City; good opportunity for well-educated young man with first-class knowledge of Drug trade. Apply, stating age, experience, and salary required, to "L" 200 50, Office of this Paper.

EXPORT—Provincial Drug House require experienced Assistant: state age, experience, and salary required. Apply "L" 198 55, Office of this Paper.

EXPERT Developer and Galvanic Printer to take charge experienced man required immediately. Bourne, 150 Southampton Row, W.C. 1.

FIRM in the Manchester District is desirous of shortly engaging one with knowledge of Packed Drugs and Tablet Articles: a fixed salary and bonus basis; experience of Manufacturing unnecessary, but control of output essential. Apply 222 1/2, Office of this Paper.

FIRST Hand for the Manufacture of Finest, Maritime, Gray-mats, Emulsions, etc., wage about 70s. according to qualifications; provincial house. State fully former positions held, in confidence; permanency to suitable man. 222 1/2, Office of this Paper.

IMPORTANT Manufacturer of Fruit-Essences, Essential Oils, and Aromatic Chemicals wants a first-class world Traveller, having perfect knowledge of the branch, every inch a gentleman, speaking fluently English, French, and Spanish; high salary and excellent prospects in periods of great selling power are given. Apply by letter to Box 224, c/o Streets, South Street, W.C. 2.

LABORATORY man wanted for Wholesale Druggist's Laboratory in the provinces; must be thoroughly experienced, and be well up in the manufacture of Galenicals by up-to-date methods; one desiring a permanent position; the position offers considerable scope for a perfectly man; five particulars of previous experience, age, and salary required. Apply 222 1/2, Office of this Paper.

LOCAL Representative required for Birmingham, with a good connecting chain of Chemists, Grocers, and Wine Merchants, both Wholesale and Retail. Write "L" age Anderson: Advertising Agency, 14 King William Street, Strand, W.C. 2.

MANAGING Clerk required by Wholesale Druggist in provincial city; said to be applicant must have good knowledge of the trade, and give full particulars of past experience, which will be treated in strict confidence, salary 250s. Apply 222 1/2, Office of this Paper.

MANUFACTURING concern, well established, with sound reputation, engaged in the production of Finest Finest, Finest, Finest, Food, Cosmetics, etc., owing to growth of business, desires the services of a gentleman with knowledge in the manufacture of the above one who could take charge of small Laboratory, control the manufacturing, and acquire a financial interest; exceptional opportunity for smart man of precise methods, ability, and ambition; full details in first instance; treated with strict confidence. Address 222 1/2, Office of this Paper.

PAINTER required, accustomed to the export Wholesale Drug trade. Apply, giving experience and wages required, to "L" N. 1, 100, c/o Messrs. Ltd., Bethnal Green, E. 2.

PROVINCIAL Representatives immediately, for high-class Under Preparations, only those capable of securing orders from leading stores and Dispensaries need apply; rates offered by local advertising, and liberal commission and expenses paid. State territory covered and full particulars to "E. M." 222 52, Office of this Paper.

REPRESENTATIVE, with established connection amongst Chemists in the North of England, wanted (at once) good prospects; give full particulars of experience, and state terms. etc. "L" 199 22, Office of this Paper.

REPRESENTATIVE, accustomed to calling on London Export Houses, required by leading firm of Pharmaceutical Specialists; state experience, terms, and full particulars. "L" 200 22, Office of this Paper.

REPRESENTATIVES wanted for all parts of the country, to introduce first-class Proprietary Wines; excellent opening for good salesman with established connections. Write, giving references and full particulars, to 222 22, Office of this Paper.

TRAVELLERS required with good connections amongst Chemists and Grocers, especially Chemists, to represent one of the best-known firm's specialties, in addition to their other work, commensurate commission. Apply 222 1/2, Office of this Paper.

TRAVELLERS calling on Chemists, etc., wanted to take up new enterprise packed Proprietary Article retelling at 14 and 15, 6d., as side-line on commission. State ground covered and lines carried in confidence to 222 22, Office of this Paper.

TRAVELLERS required, calling on Chemists and Dispensaries, to carry well-known Proprietary Wine, greatly advertised, on commission basis, for all parts of England, Ireland, Scotland, and Wales; state ground covered, only men with sound connections entertained. Full particulars to 222 22, Office of this Paper.

UP-TO-DATE Tablet and Pharmaceutical. Specialty House requires services of first-class Representative for Yorkshire and Lancashire. Give fullest particulars, including salary, in strictest confidence, in first letter. "L" 202 1/2, Office of this Paper.

WANTED smart Invoice and Order Clerk, to assist in pricing invoices, and writing orders for Buying Department of large firm; one able to take stock of branches and price same; will have very great opportunities of advancement. Apply, giving full particulars of experience, and salary required, to "X Y Z" 197 13, Office of this Paper.

WANTED for Laboratory of a large Food Factory, a Lady Assistant to undertake general analysis of Commercial Products, and willing to assist in Research or other work required in Laboratory. Apply, giving previous experience, details of training, salary required, etc., and enclosing copies of testimonials, to 198 54, Office of this Paper.

WBT Courtesan wanted in large country town; quick worker; permanency; good wages; free removal. Please state age, experience, etc. 224 37, Office of this Paper.

YOUNG lady wanted, by firm of Manufacturing Chemists in City, as Assistant Bookkeeper. Apply, stating age, experience, and salary required, to "L" 202 50, Office of this Paper.

SITUATIONS OPEN.

4s. 6d. for 50 words or less; 5d. for every additional 10 words or less, prepaid.

(Colonial, Indian and Foreign.)

BRITISH GUIANA—Qualified Chemist, smart and active, experienced in store methods, as Manager for Wholesale, Retail, and Dispensing Business, established 1844; Government Contractors, four assistants kept, comfortable quarters and lighting provided, would suit young, energetic, married man; healthy climate; present Manager has resided in the Colony nearly 20 years, enjoying excellent health; salary \$250 per annum, rising to \$300, payable half-monthly; three years' agreement; permanency and prospects to good man; passage paid out and home on completion of agreement. Apply to "M. H." Export Department, 5, Maw, Son & Sons, Ltd., 7-12 Aldersgate Street, E.C. 1.

FEDERATED MALAY STATES—Qualified Assistant, unmarried; must have had good experience in retail; terms three years' agreement; salary 350, 400, 450 pounds sterling per annum; passage paid second class out and home; short hours; good climate; the firm one of the largest in the East; and the position and surrounding country most attractive. Apply Dakin Brothers, Ltd., 82 Middlesex Street, E. 1.

HONG KONG—Two thoroughly reliable Assistants, who have had good experience in first-class Retail Business; age 22 to 30, four or five years' agreement; salary for qualified men \$500, rising to \$550 per annum; passage paid out and home. Address "Export" 222 55, Office of this Paper.

INDIA—Chemist for India, Minor qualifications; single man, five years' agreement; free furnished quarters; salary 300 rupees, rising to 500 rupees. Write, with copies of testimonials, stating age, etc., to "L. S." 186, c/o Deacons, Leadenhall Street, E.C. 3.

JAPAN—Two qualified Assistants wanted for old-established European Pharmacy in Yokohama; free furnished quarters, with lighting and heating, second-class passage out and home; four years' agreement. Apply, with testimonials and photo, to "M. H." Export Dept., 5, Maw & Sons, Ltd., 7-12 Aldersgate Street, E.C. 1.

MOROCO—Wanted, a qualified Assistant for first-class Pharmacy in Tangiers; single; must know French and have had first-class experience; principal now in London. Apply, with particulars and salary expected, to "C. J. R." Evans Sons Lescher & Wain, 60 Bartholomew Close, E.C. 1.

PARIS—Wanted, immediately, competent Assistant accustomed to first-class Dispensing and Retail for English Pharmacy. Apply to Mr. Brooks & Northumberland Avenue, London.

SOUTH AMERICA—Chemist, with experience in Pill Manufacturing, required to take charge of and operate modern plants in South America, and periodical journeys or permanent resident in that country according to arrangement; preferable age between 25 and 35. Apply "L" 200 9, Office of this Paper.

STRAITS SETTLEMENTS—Qualified Assistant, young, and capable of managing Branch Dispensary; four years' agreement; passage paid out and home; salary first year, £50 per month, second and third years £32 per month, fourth year £35; splendid opportunity for an energetic man; a knowledge of Optical and Photographic work desirable. Apply W. O. H., Burgess, Burdett & Co., Ltd., Roorham, E. 6.

J. GEORGE, Chemist, Brisbane, Australia, would be pleased to hear from Chemists who intend to come to Australia; they should send copies of testimonials from good Wholesale houses, and also give the very fullest details.

SITUATIONS WANTED.

1s. for 12 words or less; 8d. for every additional 19 words or less, prepaid.

[HOME.]

RETAIL.

A LOCUM, qualified, 20 years' experience, excellent references, who has just completed successful management of business for widow, just sold, desires engagement any district; open dates July 14th to August 11th and September 15th onwards. "Chemist," c/o Mr. Holmes, Pharmacist, Clay Cross, Chesterfield.

A DVERTISER, 40, qualified, married, abstainer, best varied experience in private and store trade, desires good permanency in the South of England; last three years in own business, previously ten years' continuous engagement as branch Manager; free end of July. "G. P. A. H.," o/o Mrs. Gainstord, 108 Nehells Park Road, Birmingham.

A S Locum, permanency; disengaged July 1st; excellent references. "G.," 23a Sinclair Gardens, Kensington, W.

A S Manager or Locum; Minor; tall, active; thoroughly experienced Dispensing, Retail and Store trade. "Veritas," 21 Formosa Street, Maida Vale, W.

A S Assistant (lady); 4½ years' experience in Dispensing; in or near Clapham. Apply A. O., 36 Hythe Bridge Street, Oxford.

A SSISTANT or Locum; thoroughly experienced Counter and Dispensing. "Statim," 29 Keswick Road, Blackpool.

A SSISTANT; First Hand, Counter, or Dispensing; capable of taking charge; high-class business preferred; 20 years' experience; 37; single; highest references. Apply "Pulvis," 1 Egerton Villa, Gubert Road, Great Malvern.

A SSISTANT (lady); unqualified; 5½ years' high-class experience; Counter and Dispensing; South Wales or Bristol and Bath district preferred. Apply 224/36, Office of this Paper.

A SSISTANT; unqualified; easy hours; first-class experience; West End preferred. Apply 224/22, Office of this Paper.

A SSISTANT, unqualified, 8 years' experience, age 24, smart appearance, tall, requires berth; Yorks, Lincs, or Notts preferred. Apply 225/20, Office of this Paper.

B LACKPOOL District.—Experienced Assistant (unqualified) desires permanency. Oliver, 2 Christian Road, Preston.

C HEMIST'S Assistant; unqualified; 24; six years' experience Dispensing, Counter, and Photography; references first-class; disengaged. State hours and salary, Stannard, Harleston, Norfolk.

C ITY Business or West-End Store.—Demobilised Officer, qualified, desires responsible position; any capacity. Apply "Indian Army" (224/80), Office of this Paper.

C OMPETENT, reliable man, accustomed to take charge, wants permanency end of July; 41; Prescribing, Dispensing, Photography; unregistered; highest references; good appearance and address; good prospects wanted. "Ability" (225/36), Office of this Paper.

D DODSLEY, M.P.S., qualified Locum; disengaged September 1st. Address 32 Colombarie, Jersey.

D ISPENSER seeks permanency with Doctor; 10 years' experience; four years Sergt. Dispenser R.A.M.C.; excellent testimonials; Bookkeeping; married. Write to "T. T.," 9 Richmond Street, Folkestone.

D ISPENSER (male) requires post with Doctor; temporary or permanent; thoroughly experienced; excellent references; strictly temperate. Apply Stuart, 97 High Street, Hythe, Kent.

D ISPENSER.—Young lady, age 19, Hall certificate, requires position in good-class Chemist's. Holland, 5 Lawn Terrace, West Kensington, W. 14.

D ISPENSER (lady), Apothecaries' Hall, experienced, reliable, requires post; London or suburbs; disengaged. "A. S.," 49 Weymouth Street, W.

D ISPENSER-BOOKKEEPER, Hall qualification, fluent French, desires post; Doctor, Hospital, or Institution. Address Miss Millard, 88 Walton Street, S.W. 3.

D RUG Stores Manager; Hall qualification; age 56; abstainer; single; active; country; South preferred. "Instantan," 103 Lodge Lane, Hyde.

E XPERIENCED Senior Assistant open for engagement; permanent or Locum. "Assistant," o/o Mr. Green, Chemist, Earl Street, Coventry.

F RENCH Chemist's Assistant, 19, desires situation for four months in good English Pharmacy with a view to perfecting himself in the language, of which he has already fair knowledge; excellent references; six years in one situation. Address M. Ramaud, Varennes-sur-Allier, France.

F RENCHMAN, 27, unqualified, knowledge of English, nine years' experience Dispensing and Counter in Paris, desires post in England with a view to obtaining experience of English pharmacy; good references. J. Martinat, 97 rue St. Honoré, Paris, 1er.

G ENTLEMAN; 36; unregistered, but competent; 15 years' good all-round experience West End, City, and provinces; Dispensing a speciality; at present managing a Branch, but desires a change; no immediate hurry. "London" (226/11), Office of this Paper.

H ARROGATE or District.—Advertiser, 31, married, unqualified, abstainer, seeks post Wholesale or Retail; nine years' Wholesale abroad; highest references; state salary. "Harrogate" (190/18), Office of this Paper.

H OLIDAYS.—Unqualified Assistant (24), accustomed to brisk Counter trade and Dispensing, willing to undertake temporary relief work during holiday season. Offers to "G. F. S.," 61 Anfield Road, Liverpool.

H OSPITAL Dispenser, Locum; qualified. Irving, 66 Rowfant Road, Balham, S.W. 17.

I F you want a trustworthy Assistant, fully competent, but unqualified, with a thorough knowledge of the business, who will study your interests in every way—a reliable Dispenser, Window-dressing, Photography, used to buying—write "Colchicum" (225/33), Office of this Paper.

J ULY to October or as Locum; unqualified; age 25; good experience; excellent references; state salary and hours. Jacob, c/o Cooper, Swaffham, Norfolk.

J UNIOR Assistant; Liverpool or Manchester preferred; salary 45s. to 50s. Apply 224/1, Office of this Paper.

L ADY Assistant (Hall), 29, requires post with Chemist; good experience Counter, Photography, and Dispensing; good references; Manchester preferred, but not essential. Apply 222/25, Office of this Paper.

L ADY Dispenser (Hall) requires berth with Chemist, Doctor, or Institution; experienced; good testimonials. Apply 219/40, Office of this Paper.

L ADY Dispenser (Hall), experienced, desires post; in or near London preferred; good references. Miss B. Reynolds, 333 Brixton Road, London, S.W. 9.

L ADY Dispenser, Hall (23), desires post; country or seaside; Doctor preferred; experienced. Apply 223/37, Office of this Paper.

L ADY Dispenser (21), Hall, desires resident post in Hospital or Institution; South or South-East Coast preferred. J. W. S., 68 Spenser Road, Bedford.

L ADY Dispenser, Hall qualification, desires locum work; July and August free; experienced. Apply 225/12, Office of this Paper.

L ADY Dispenser, Hall, requires post in good Pharmacy; West-cliff, South, or S.E. Coast preferred; reliable; good references; free now; moderate hours; would take Locum. Apply 226/12, Office of this Paper.

L OCUM; qualified; disengaged July 14th; London preferred. "S. G.," 41 Frithville Gardens, W. 12.

L OCUM; qualified; young; disengaged July 15 to 29, August 5 onwards; London suburbs. "Locum," o/o Brumwell, Chemist, 72 Euston Square, N.W.

L OCUM.—Capable Pharmacist (Square man) desires dates July 3rd onwards; experienced in all branches of Pharmacy, including Photography and Optics; Southern Counties and coast; reasonable terms; good references. "C.," 48 Park Road, Winchester Road, Eastleigh, Hants.

L OCUM, unqualified, 26, good references, free until October 1st; London and immediate district; please state salary; would entertain holiday relief. Findlay, Burnham, Som.

L OCUM, ex-Lieut. R.A.F., booking August 1st onwards; highest credentials; West-End experience; sole charge; unqualified; 25; salary £5 5s.; anywhere. R. Edmonds, 22 Cleveleys Road, Clapton, E. 5.

L OCUM, qualified, 30, good experience, disengaged July 5th. Howarth, 62 Dugdale Road, Burnley.

L OCUM; unqualified; 43; two weeks in August; Glasgow preferred. "Thomson," c/o Robert Lamb & Co., 60 Union Street, Aberdeen.

L OCUM (lady), Apothecaries' Hall, speaks French, 3½ years' good Dispensing and Retail experience, desires engagement first two weeks September; London. Apply 219/9, Office of this Paper.

L OCUM Dispenser; qualified; middle-aged; disengaged from July 7th to 21st only; Hospital, private, and Dispensary experience; good references. Apply 220/7, Office of this Paper.

L OCUM, disengaged July 5th onwards. Bates, Winter's Pharmacy, Manningtree, Essex.

L OCUM; experienced; unqualified; abstainer; disengaged July 9th. Olliver, 19 Duke Street, Macclesfield.

LOCUM, unqualified, disengaged August and September, London, or with Doctor or Hospital in country; two years' experience. Apply "A. C. E." (223/22), Office of this Paper.

LOCUM or permanency; Counterman; disengaged; unqualified; 48; 6 feet; varied experience; town and country; highest references; capable of taking charge. Apply "Sapo" (223/16), Office of this Paper.

LOCUM or otherwise; near London preferred. "D., 82 Marlborough Road, Romford.

LOCUM (30); disengaged July; experienced. "B., 19 Shrewsbury Road, New Southgate, N. 11.

LOCUM, qualified, Chemist's experience, desires engagement June 30th-July 12th, or intermediately. Write Miss A., 34 Harcourt Avenue, Southend-on-Sea.

LOCUM (qualified) desires booking two weeks, June 30; tall; experienced; first-class references. "B., 24 Laburum Grove, North End, Portsmouth.

LOCUM; over 30 years' wide experience; qualified; vacant dates, end July and beginning of August. M. Smith, c/o Bell & Co., 58 York Road, Waterloo, S.E. 1.

LOCUM; free from July 12th; 27; qualified; terms £6 and fare. Apply A. H. Clark, 23 Oakley Crescent, Chelsea, S.W.

LOCUM.—Chemist wishes to recommend Pharmacist who has taken charge for him; trustworthy, reliable; liberty now. Apply, letter or wire, Mathews, Chemist, New Malden.

LOCUM; highest references; well recommended; wide experience; August. Brown, 74 West Hill, Putney, London, S.W. 15.

LOCUM Dispenser (lady), Hall, requires post; Institution or with Doctors; August; near London preferred; good testimonials. Apply Warren, Gloddith, Grove Road, Ramsgate.

LOCUM or Season; disengaged; eighteen years' experience all branches; qualified; fluent French. Burrell, 187 Southwark Bridge Road, S.E. 1.

LOCUM; disengaged shortly. Lynn, 2 Lodge, Sinclair Mansions, W. 12.

LOCUM; qualified; July 21st to August 31st vacant; Yorkshire preferred. Apply 225/40, Office of this Paper.

M.P.S., D.B.O.A. (age 33, married), requires Management, with view to succession, where good Optical scope; 6 years present situation; first-class experience Optics, Photography, etc. Particulars re salary, hours, etc., to "Pharmoptic" (226/330), Office of this Paper.

MANAGER, 44, married, shortly open for engagement; permanency; good-class business; highest references from present employer; please state salary, etc. "Seaside" (220/3), Office of this Paper.

MANAGER or Locum; elderly; experienced; disengaged. "Chemist," 28 London Road, Horsham, Sussex.

MANAGER, qualified, 38, married, 22 years' high-class experience, Buyer and Manager for seven years in present position, desires change; highest references. Apply 224/15, Office of this Paper.

MANAGER, qualified, 30, married, excellent references, trustworthy and reliable, abstainer, requires permanency beginning of August; good all-round experience Dispensing, Counter, Photography. Apply 225/39, Office of this Paper.

MANCHESTER.—Part-time Dispensing in exchange rooms over premises; Hall qualification. Apply 226/2, Office of this Paper.

MINOR Student requires part-time or evening Dispensing in London until the middle of August. Apply James Paterson, 62 Herbert Gardens, Willedeu, N.W. 10.

PART-TIME, two or three evenings per week; W. or N.W.; Counter or Dispensing; Minor. "H. H., 31 Narcissus Road, West Hampstead.

PART-TIME work, 1 to 5 p.m. H., 28 Park Grove, West Ham, E. 15.

PART-TIME berth desired; London area; please state salary; well experienced man. Apply 224/16, Office of this Paper.

PHARMACEUTICAL Chemist, having disposed of own business, desires post; London or Coast; interest in business, or view to succession entertained. Apply 224/17, Office of this Paper.

PERMANENCY; 25 years' best experience; Dispensing, Counter Prescribing, Photography, Optics; good references; principal's right-hand or confidential Assistant; can take charge p.r.u.; unqualified, but competent; married; no family; disengaged shortly. Please state terms and hours, "Tenax" (224/9), Office of this Paper.

PHARMACISTS and others that require a competent, qualified, energetic, and trustworthy Locum or Manager should please retain this address and wire or write to me, Williams, Pharmacist, 14 Penn Road, Wolverhampton, Staffs.

QUALIFIED, Locum or small Managership; 45; best references. "Rhei" (216/27), Office of this Paper.

QUALIFIED Manager, 51, desires post in good-class business with view to succession or interest preferred; thoroughly reliable; first-class experience and highest references; free about July 25th. Apply 222/32, Office of this Paper.

QUALIFIED (27) seeks Managership; view to succession. "H. B., 35 Chandos Street, Hereford.

QUALIFIED; lady; West-End experience; Assistant or Branch Manager; South preferred. Apply 223/8, Office of this Paper.

QUALIFIED Manager (50); London or provinces; experienced; Photographic; highest testimonials. "R. A., 22 Ellison Road, Barnes, S.W.

SILVER Badger (23), unqualified, abstainer, London and provincial experience, seeks berth near London; Manager or Assistant; living accommodation essential; disengaged August 1st. "Badger" (221/24), Office of this Paper.

SOUTHPORT or District.—Assistant (unqualified), experienced, desires permanency. Olliver, Christian Road, Preston.

STUDENT Associate, (demobilised), passed College Preceptors, well educated, tall, wishes to be Apprenticed; London or provincial town. "Robul" (220/2), Office of this Paper.

THREE years' experience with West End Chemists, lady Dispenser (Hall diploma) requires post in London. Apply "L. S., 156 Elgin Avenue, W.

UNQUALIFIED, 31, demobilised student, desires temporary work between July and October; 10 years' pre-war excellent general and Dispensing experience; highest references; London or South Coast preferred. "Energy" (222/36), Office of this Paper.

UNQUALIFIED; 37; disengaged; Middlesex preferred. "Statim," 89 Beaconsfield Road, Southall, Middlesex.

UNQUALIFIED Assistant, good all-round knowledge of Dispensing, Counter, Photography, 6½ years' experience, seeks situation shortly. Todd, 63 Lennox Road, Finsbury Park, London, N. 4.

UNQUALIFIED; young; disengaged; N.H.I. "A. G. S., 48 Agenoria Street, Wisbech, Cambs.

£6 6s. per week secures the services of a Pharmacist with over 20 years' experience of the Retail Drug trade in London and provinces; thorough and up-to-date knowledge of every branch, Photo, Counter, Dispensing, etc.; Manager for past 16 years, present post 10 years; married, 39; permanency desired; not London or suburbs. Please write fully to "Change" (221/28), Office of this Paper.

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1s. for 12 words or less; 9d for every 10 words or less Beyond. p. enald.

ADVERTISER (lady) seeks post in Chemist's or Perfumer's warehouse; Birmingham or district; 15 years' experience in same. Apply 220/5, Office of this Paper.

ADVERTISER seeks opening with Wholesale firm; eight years' Retail experience only; 28; qualified. Apply "Demobbed" (224/8), Office of this Paper.

AGE 30, requires position in Sales or Buying; 12 years' experience in home and export houses; able to control and conduct correspondence; excellent credentials from past employers; part-time Travelling if desired. Apply 223/13, Office of this Paper.

AS Laboratory Hand; experienced; age 39; not particular to other work. W. Best, 64 Fort Road, Bermondsey, London, S.E.

AS TRAVELLER, ETC.—Experienced Pharmacist, now disengaged, for about six months; open to take up travelling or other partially outdoor employment (or indoor position with moderate hours); excellent references. Apply 225/30, Office of this Paper.

ASSISTANT (30), highly successful Salesman, desires post as Representative; Drugs, Sundries; disengaged July 1st. Simmonds, Orchard Cottage, Rydens Grove, Hersham.

CHEMIST'S Assistant, well educated, Wholesale experience, capable Traveller, seeks berth; any capacity. Apply 224/160, Office of this Paper.

DRUG Pricing Clerk, thoroughly experienced, with excellent knowledge of office organisation and Salesmanship, wishes to make a permanent change; indoor or outdoor position considered, but salary must be good. Apply "Efficiency" (224/14), Office of this Paper.

FIELD ARTILLERY Officer, just demobilised (39), desires post with important firm; has had special experience in dealing with foreign clients; last post nearly 8 years with leading London Manufacturing Chemists, both in Office and as Representative in various parts of the world; previous to that, varied first-class Retail experience at home and abroad; fluent French; qualified; married. Please write, "Artillery" (207/33), Office of this Paper.

FOREMAN; Packed Goods and general all-round experience; can take full control; excellent references. Apply 226/31, Office of this Paper.

GENTLEMAN, age 27, with good education, desires post as Representative with Wholesale firm; seven years' experience in Wholesale and Retail trade; excellent references. Apply 219/21, Office of this Paper.

GENTLEMAN, having many years' experience Wholesale and Retail, wishes to Represent a good firm; can introduce good business; speaks French; Devon and Cornwall preferred but not essential. "Progress" (220/24), Office of this Paper.

GENTLEMAN, 38, unregistered, 18 years' first-class Retail experience Managing, Buying, etc., sound Pharmaceutical and commercial knowledge, desires post as Representative to Wholesale house; Birmingham district preferred; highest references. "Salol," 110 Hunter's Road, Handsworth, Birmingham.

GENTLEMAN, 58, desires position as Manager, Wet Counter Hand, or Traveller, for a country house, or accept good commission; any lines. Gray, 34 St. Saviour's Road, Leicester.

HAND-MADE Gelatine Capsules.—Advertiser, with thorough knowledge of process, formulae, markets, etc., seeks position as Manager; could take entire control of hands and supervise output. Apply 225/320, Office of this Paper.

PILLS and Tablets.—Energetic man requires a permanency in London house; thoroughly competent to take charge of departments and not afraid to work. Reply to 222/18, Office of this Paper.

POSITION as Traveller for Drug house for North Wales; 30 years' Retail experience; ground and chemists well known. Owen, 29 Florence Road, Wallasey.

QUALIFIED Chemist, now Managing Director Limited Company, 22 years' practical Manufacturing, Wholesale, Retail experience, seeks permanent responsible Managerial position; accurate methods buying, costing, and organising ability; highest references. Apply 224/150, Office of this Paper.

REPRESENTATIVE (lady), entrée to the leading Pharmacies in North of England, Midlands, and North Wales, open to take up Agency for really good line on commission basis. Apply 223/26, Office of this Paper.

SITUATION required by discharged man, age 39, as Book-keeper, Cashier, or any responsible position in Wholesale, accustomed to Drug trade; excellent references; moderate salary; any distance. "W. L.," 64 Howard Street, Gloucester.

TOILET Preparations.—Young gentleman, with exceptional experience Retail and Wholesale manufactory and finishing of all Toilet Preps., seeks position of responsibility; good organiser, initiative, smart appearance; would suit newly established firm; eight years present position; excellent references. Apply "Midlands" (216/29), Office of this Paper.

TOILET Preparations.—Laboratory Foreman seeks engagement; age 33; 15 years' experience; three good houses; Galenicals, etc.; good references; energetic. Apply 226/9, Office of this Paper.

TRAVELLER, Hairdressers, Chemists, Sundries, Perfumes, Soaps, etc.; excellent connection. Apply 218/2, Office of this Paper.

Parcels of Peroxide of Sodium; Metallic Sodium; Chlorate of Soda; Chlorate of Potash; Italian Sumac; Zinc Dust and Graphite for sale at competitive prices.

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For particulars write Box 189/62, Office of this Paper.

We desire particularly to draw the attention of Colonial and Foreign Subscribers to the fact that in cases where they require partners, agents or assistants, or wish to sell their businesses, an advertisement in this Supplement, placed in every copy of "The Chemist and Druggist," should be the readiest means of helping them to attain their object. The tariff for such announcements is given under the appropriate headings in the Supplement. Instructions and remittances can be sent to us direct or through the advertisers' correspondents in this country.

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FOR DISPOSAL.

DENTAL.

EIGHT Bridge Showpieces. R. Lamb, 123 West End Lane, London, N.W. 6.
SET of Dental Forceps for sale (9 pairs), plated, as new, £3. Apply 224/26, Office of this Paper.

MISCELLANEOUS.

BRITISH Cash Till; $7\frac{1}{2} \times 7 \times 14$. Davies, Chemist, Kessingland, Suffolk.
THREE Signs and Double Showcase. Gilleard, 231 Seven Sisters Road, Finsbury Park, London, N. 4.
LAMP for shop front; coloured glass all round; embossed lettering; as new; what offers? Cooke, Chemist, Gorey, Ireland.
6 DOZ. Shop Rounds, unlabelled w.m. and n.m. (chiefly 20-oz. w.m.), in good condition; Hughes' Baby Scales, to weigh up to 28 lb. Best offers to 224/31, Office of this Paper.

WANTED.

COPY of "Opening a Pharmacy." Offers to 218/3, Office of this Paper.
WANTED, $\frac{1}{2}$ -oz. or 1-oz. Tins; any quantity. Adan, 72 George Street, Aberdeen.
NIMROD'S Asthma Cure. Offers to Pattison, Chemist, 81 York Road, West Hartlepool.
WANTED, Munyon's Nerve Remedy. Particulars to Major Hill, Chemist, Wisbech, Cambs.
WANTED, Scientific Journals (Chemical, Botanical, etc.). Adan, 72 George Street, Aberdeen.
WANTED, half-ton Pulv. Acid. Tartaric. Lowest price for cash to Harrop, Chemist, Rochdale.
PLANT or Appliances for the manufacture of hand-made Gelatine Capsules. Apply 225/32, Office of this Paper.
WANTED, Second-hand Copy of the 1907 edition "Pharmaceutical Journal Formulary." Wolfendale, 20 Larch Street, Southport.
BOTTLES wanted; 2 oz. wide mouth, French square (flat). State quantity available and price to 224/28, Office of this Paper.
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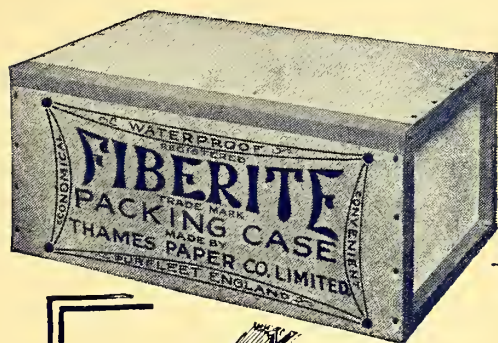
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